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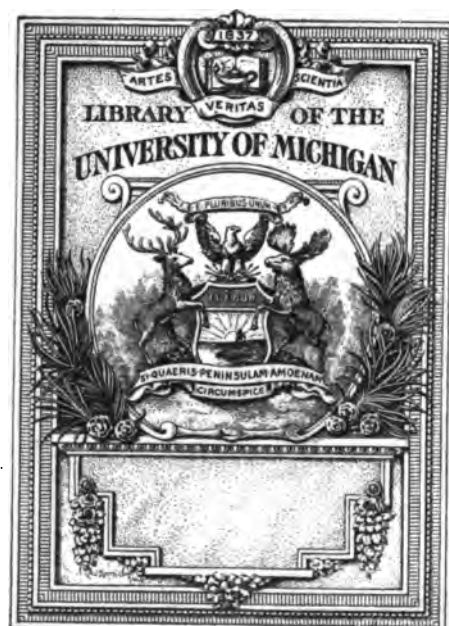
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CATALOGUE

OF THE

OFFICERS AND STUDENTS

IN

YALE COLLEGE,

1875-76.

NEW HAVEN:  
TUTTLE, MOREHOUSE & TAYLOR, PRINTERS.  
1875.





CATALOGUE

39443

OF THE

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## ABBREVIATIONS.

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A.	-	-	-	-	-	-	-	-	-	Absent on leave.
C.	-	-	-	-	-	-	-	-	-	Chapel.
D.	-	-	-	-	-	-	-	-	-	Durfee College.
E. D. H.	-	-	-	-	-	-	-	-	-	East Divinity Hall.
F.	-	-	-	-	-	-	-	-	-	Farnam College.
L.	-	-	-	-	-	-	-	-	-	Lyceum.
N.	-	-	-	-	-	-	-	-	-	North College.
N. M.	-	-	-	-	-	-	-	-	-	North Middle College.
N. S. H.	-	-	-	-	-	-	-	-	-	North Sheffield Hall.
S.	-	-	-	-	-	-	-	-	-	South College.
S. H.	-	-	-	-	-	-	-	-	-	Sheffield Hall.
S. M.	-	-	-	-	-	-	-	-	-	South Middle College.
TR.	-	-	-	-	-	-	-	-	-	Treasury Building.
W. D. H.	-	-	-	-	-	-	-	-	-	West Divinity Hall.

Upon the College Square, the rooms numbered from 1 to 32 are in South College; from 33 to 64 in South Middle College; from 65 to 96 in North Middle College; from 97 to 128 in North College; from 129 to 177 in Farnam College; from 178 to 185 in the Lyceum; from 186 to 194 in the Chapel; from 201 to 240 in Durfee College.

The rooms in East Divinity Hall are numbered from 1 to 54; in West Divinity Hall from 55 to 124.

The rooms in Sheffield Hall are numbered from 1 to 22; in North Sheffield Hall from 26 to 58.

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## CALENDAR.

**1875.**

16 Sept.	Thursday,	FIRST ACADEMICAL TERM begins.
21 Oct.	Thursday,	Winter Term, Medical Department, begins.
23 Dec.	Thursday,	FIRST TERM ends.

### Winter Vacation of two weeks.

**1876.**

6 Jan.	Thursday,	SECOND ACADEMICAL TERM begins.
9 Febr.	Wednesday,	Spring Term, Law Department, begins.
17 Febr.	Thursday,	Winter Term, Medical Department, ends.
2 March,	Thursday,	Spring Term, Medical Department, begins.
30 March,	Thursday,	Junior Exhibition.
6 April,	Thursday,	SECOND TERM ends.

### Spring Vacation of two weeks.

20 April,	Thursday,	THIRD ACADEMICAL TERM begins.
6 May,	Saturday,	Berkeley Scholarship Examination.
16, 17 May,	Tuesd., Wed.,	Annual Examination, Theol. Department.
18 May,	Thursday,	Anniversary, Theological Department.
22 May,	Monday,	Woolsey Scholarship Examination begins.
" "	" "	Winthrop Prize Examination.
5 June,	Monday,	Clark Scholarship Examination.
25 June,	Sunday,	Baccalaureate Sermon.
26 June,	Monday,	Anniversary of the Medical Department.
27 June,	Tuesday,	Anniversary of the Sheffield Scientific School.
" "	Tuesday,	Presentation for Degrees, Acad. Department.
28 June,	Wednesday,	Anniversary of the Society of Alumni.
" "	" "	Anniversary of the Law Department.
29 June,	Thursday,	COMMENCEMENT.
30 June, }	Fri., Sat., Mon.,	Examination for admission to the Academ-
1, 3 July, }		ical Department.
30 June, }	Friday, Sat.,	Examination for admission to the Sheffield
1 July, }		Scientific School.

### Summer Vacation of eleven weeks.

12, 13 Sept.	Tuesd., Wed.,	Examination for admission.
14 Sept.	Thursday,	FIRST ACADEMICAL TERM begins.
21 Dec.	Thursday,	FIRST ACADEMICAL TERM ends.

The Term in the Theological Department begins on the same day with the first Academical Term, and continues eight months, until the third Thursday in May.

In the Law Department the Fall Term begins on the same day with the first Academical Term and ends December 24; the Spring Term begins on the second Wednesday in February and ends at Commencement,—with a recess of one week in April.

In the Medical Department the Winter Term begins on the third Thursday in October, and continues seventeen weeks; the Spring Term begins on the first Thursday in March, and continues, with an intermission of one week in May, till Commencement.

The Terms in the Graduate Courses of the Department of Philosophy and the Arts, in the Sheffield Scientific School, and in the School of the Fine Arts, coincide with the Academical Terms.

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REV. MARK HOPKINS, D.D., LL.D., *on the Scriptural Idea of God.*  
REV. JOHN HALL, D.D., *on the Relation of the Pastor to Sabbath School Instruction.*  
Prof. LEONARD J. SANFORD, M.D., *on the Preservation of Health.*

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Moses Peters, B.A. } Ursinus College.	<i>Saegersville, Pa.</i>	26 E. D. H.
Henry Thorne Sell, B.A. } Wesleyan University.	<i>Amityville, N. Y.</i>	82 W. D. H.
Floyd Emerson Sherman, B.A. } Amherst College.	<i>Douglas, Mass.</i>	14 E. D. H.

Henry Levi Slack, B.A. } Dartmouth College.	Cambridge, Mass.	92 W. D. H.
Benjamin Franklin Smith, M.A. } Cumberland University.	Corinth, Miss.	19 E. D. H.
Godwin Delos Swezey, B.A. } Beloit College.	Rockford, Ill.	46 E. D. H.
Albert Temple Swing, B.A. } Oberlin College.	Bethel, O.	80 W. D. H.
George Sanford Thrall, B.A. } Amherst College.	Galesburg, Ill.	51 E. D. H.
Foster Russell Wait, B.A. } Amherst College.	Holyoke, Mass.	22 E. D. H.
Nathaniel Ross Walker, B.A. } Westminster College.	Richmond, O.	15 E. D. H.
Melvin Clinton Wood,	Beacon Falls,	49 E. D. H.
Reuben Bean Wright, B.A. } Dartmouth College.	West Glover, Vt.	38 E. D. H.

## JUNIOR CLASS.

Ira Buell Allen, B.A. } Beloit College.	Geneva, Wisc.	83 W. D. H.
Edward Payson Armstrong, B.A. } Amherst College.	Mansfield Center,	69 W. D. H.
William Alanson Beecher, B.A. } and L.L.B. Hamilton College.	Verona, N. Y.	4 E. D. H.
John William Best, B.A. } Westminster College.	Wheeler, Pa.	37 E. D. H.
William Carr, B.A. } Dartmouth College.	West Glover, Vt.	39 E. D. H.
George Herbert Cate, B.A. } Harvard University.	Wolfeboro, N. H.	74 W. D. H.
Joseph Brayton Clarke, B.A. } Dartmouth College.	Gilmanton, N. H.	34 E. D. H.
Frank Woodbury Cobb, B.A. } Bates College.	Lewiston, Me.	111 W. D. H.
John Chamberlain Collins, B.A.	New Haven, .	12 E. D. H.
Thomas Whitney Darling, B.A. } Middlebury College.	Keene, N. H.	74 W. D. H.
Herbert McKenzie Denslow, B.A.	New Canaan,	102 N.
Charles Francis Graves, B.A. } University of Vermont.	Burlington, Vt.	43 E. D. H.
Ambrose Daniel Gring, B.A. } Franklin and Marshall Coll.	Sherwsbury, Pa.	41 E. D. H.
Henry Wesley Harvey, B.A. } Olivet College.	Augusta, Mich.	6 E. D. H.
Ivory H. Bartlett Headley, B.A. } Amherst College.	Boston, Mass.	54 E. D. H.
William Hedges, B.A.	Bridge-Hampton, N. Y.	41 E. D. H.
Charles William Hill, B.A. } Bowdoin College.	Biddeford, Me.	30 E. D. H.

William Addison Houghton, B.A.	Holliston, Mass.	45 E. D. H.
William Sloane Kennedy, B.A.	Oxford, O.	122 W. D. H.
Phaon Silas Kohler,	Egypt, Pa.	18 E. D. H.
George Edward Martin, B.A.	Norwich,	99 W. D. H.
Marcus Whitman Montgomery, B.A. } Amherst College.	Cleveland, O.	75 W. D. H.
Daniel Marshall Moore, B.A. } Amherst College.	Orange, Mass.	2 E. D. H.
Christian Mowery, B.A. } Marietta College.	Willow Island, W. Va.	109 W. D. H.
Gurney Mahan Orvis, B.A. } Oberlin College.	Atlanta, Ill.	53 E. D. H.
Julius Ezekiel Phelps, B.A. } Amherst College.	Southampton, Mass.	35 E. D. H.
Woodford Demaree Smock, B.A. } Oberlin College.	Fairfield, Iowa,	53 E. D. H.
Frederick Elkanah Snow, B.A.	New Haven,	96 W. D. H.
Charles Edward Stowe, B.A. } Harvard University.	Hartford,	112 W. D. H.
Frank Hudson Taylor, B.A. } Oberlin College.	Oberlin, O.	97 W. D. H.
Edward Sampson Tead, B.A. } Amherst College.	Boston, Mass.	44 E. D. H.
Charles Thomson,	Mitchell, Ontario.	94 W. D. H.
Reuben Archer Torrey, B.A.	Geneva, N. Y.	10 E. D. H.
Theodore Booth Willson, B.A. } University of Michigan.	Grand Rapids, Mich.	98 W. D. H.
James Edmond Wolfe,	Everett, Pa.	120 W. D. H.

## SUMMARY.

RESIDENT LICENTIATES,	-	-	-	-	2
SENIOR CLASS,	-	-	-	-	25
MIDDLE CLASS,	-	-	-	-	37
JUNIOR CLASS,	-	-	-	-	35
TOTAL,	-	-	-	-	99

## MEDICAL DEPARTMENT.

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WILLIAM L. BRADLEY, M.D., *Demonstrator in Anatomy.*

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In addition to the Professors the following persons, chosen by the Fellows of the State Medical Society, are members of the Board of Examiners.

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Francis Henry Drew,	<i>Saybrook,</i>	231 Crown st.
Edward Strong Dwight,	<i>New Haven,</i>	36 Wall st.
Coddington Billings Farnsworth,	<i>Norwich,</i>	104 York st.
Frank Gorham,	<i>Weston,</i>	8 Humphrey st.
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Elijah Browne Hazzen,	<i>Pembroke, N. H.</i>	87 Hill st.
Alfred George Heaney,	<i>Westbrook,</i>	125 St. John st.
George Robinson Henderson, M.A. } Lincoln University.	<i>New York City,</i>	106 Webster st.
John Philip Henriques,	<i>New London,</i>	44 York sq. pl.
Frederick Hodges Hoadley, B.A.	<i>New Haven,</i>	109 Elm st.
Samuel Henry Huntington,	<i>Windham,</i>	231 Crown st.
Laban Hartwell Johnson,	<i>Northampton, Mass.</i>	439 State st.
John Keating,	<i>Bridgeport,</i>	Bridgeport.
Charles Purdy Lindsley, PH.B.	<i>New Haven,</i>	132 Olive st.
Herbert Warren Little,	<i>Bay Ridge, N. Y.</i>	132 College st.
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Arthur Edward Nichols,	<i>Yonkers, N. Y.</i>	165 Temple st.
Henry Augustus Oaks, B.A.	<i>New Haven,</i>	127 Crown st.
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Egbert Randal Warner,	<i>Thomaston,</i>	231 Crown st.
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MEDICAL STUDENTS, 42.

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*Lecturer on Medical Jurisprudence.*

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Joseph Bulkeley Morse, M.A.	New Haven,	337 Chapel st.
Albert Lee Murray,	Madison,	5 Home pl.
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Benjamin Jonson Shipman,	Hartford,	Hartford.
Cornelius Sleight,	Sag Harbor, N. Y.	126 York st.
Bryan John Smith,	Waterbury,	66 Howe st.
Henry Bidleman Bascom Stapler, B.A.	Wilmington, Del.	6 Library st.
David Strouse,	New Haven,	337 State st.
Benjamin Franklin Tolson, M.D. } Jefferson College.	Henderson, Md.	88 Court st.
John Henry Tuttle,	New Haven,	81 Wooster st.
George Arnold Tyler,	New Haven,	41 Elm st.
Simeon Harrison Wagner, PH.B.	New Haven,	369 Church st.
Hollis Thayer Walker,	Guilford,	Guilford.
John Basil Ward,	New Haven,	2 Kimberly av.
John Wesley Wescott, B.A.	New Haven,	111 Court st.
John Howard Whiting,	Ansonia,	118 Dwight st.
Eljen Kossuth Wilcox, } Attorney at Law.	Cleveland, O.	426 State st.
Theodore Salisbury Woolsey, B.A.	New Haven,	250 Church st.
Walter Roscoe Yates,	Cleveland, O.	88 Court st.

SENIORS, 35.

## JUNIOR CLASS.

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Arthur Gordon Bill,	Chaplin,	8 Meadow st.
Williams Griggs Butler,	Detroit, Mich.	215 Crown st.
Minott Augustus Butricks,	New Haven,	125 Columbus st.
Charles Atherton Cargill,	New Haven,	126 Park st.
George Rufus Cooley, PH.B.	Hamden,	Hamden.
Timothy Davenport, B.A.	Wilton,	222 Crown st.
George Philipps David,	New Orleans, La.	77 York st.
Albert Jennings Dayan,	Lyons Falls, N. Y.	42 Whitney av.
Lucius Parmenius Deming,	New Haven,	184 Lombard st.
Carl Fyler Drake,	New Haven,	13 Orange st.
Charles Rowland Dudley,	Easton,	202 Martin st.
Bernard Francis Finnigan,	New Haven,	26 Oak st.
Leverett Camp Hinman,	West Meriden,	595 Chapel st.
William Henry Hogan,	Waterbury,	239 Hamilton st.
Richard Henry Johnston,	Pittsburgh, Pa.	126 York st.
John Kendrick, Jr.,	Waterbury,	
Richard Francis Lane,	New Haven,	122 Grand st.
Edward Lee Linsley,	North Haven,	432 Chapel st.
John Perkins Lord,	Stamford,	40 Wall st.
John Sheldon Maxwell, B.A. } Western Reserve College.	Waterford, Pa.	80 Chapel st.
Edward Franklin Meeker,	Bridgeport,	Bridgeport.
William Joseph Mills,	New Haven,	44 Elm st.
Henry Strong Nash, Jr.,	Winchendon, Mass.	St. Nicholas Hotel.
Owen O'Brien, Jr., B.A. } Mt. St. Mary's College.	New Haven,	77 Meadow st.
Franklin Wells Patten, B.A.	New Haven,	85 Orange st.
Frank Morrell Purdy,	Rye, N. Y.	12 Home pl.
James John Redmond,	Wallingford, Chapel st.,	Tyler's B'ld'g.
Edwin Northrop Robbins,	New Haven,	28 Hoadley's Building.
William Rodman,	New Haven,	491 Chapel st.
Edward Henry Rogers, B.A.	Stony Creek,	Stony Creek.
Charles George Root,	Waterbury,	Montowese.
William Hatch Sanborn,	New Haven,	17 Home pl.
Charles Lasselle Swan, B.A.	Clinton, Mass.	191 George st.
Albert Marion Tallmage, B.A. } Wesleyan University.	Middletown,	153 St. John st.
James Henry Webb, B.S. } Mass. Agric. College.	Hamden,	Hamden.
Alfred Newton Wheeler, PH.B.	Southford,	59 Wooster st.
Sterne Wheeler,	Saugatuck,	Westville.
Granville Moss White,	Danbury,	41 High st.
Hamilton Mercer Wright, B.A.	New Haven,	12 Home pl.

JUNIORS, 40.

## SPECIAL STUDENT NOT CANDIDATE FOR A DEGREE.

Justus Street Hotchkiss,	New Haven,	116 Chapel st.
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DEPARTMENT OF  
PHILOSOPHY AND THE ARTS.

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EDWARD B. COE, B.A.  
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FRANKLIN CARTER, M.A.  
WILLIAM G. SUMNER, B.A.  
SIDNEY I. SMITH, Ph.B.  
WILLIAM G. MIXTER, Ph.B.  
HENRY A. BEERS, B.A.

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George Burton Adams, B.A. } Beloit College.	<i>Pecatonica, Ill.</i>	46 E. D. H.
Ira Buell Allen, B.A. } Beloit College.	<i>Geneva, Wisc.</i>	75 W. D. H.
Henry Baldwin, B.A.	<i>Hartford,</i>	Hartford.
Samuel Horace Barnum, B.A.	<i>New Haven,</i>	38 Humphrey st.
William Beebe, B.A.	<i>Warsaw, N. Y.</i>	119 College st.
Thomas Marcus Blakslee, PH.B. } Madison University.	<i>Hamilton, N. Y.</i>	36 Prospect st.
Henry Blodget, B.A.	<i>Hartford,</i>	6 Library st.
John Carey Boals, B.A. } Macon College.	<i>Somerville, Tenn.</i>	129 College st.
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Edward Alexander Bouchet, B.A.	<i>New Haven,</i>	42 Bradley st.
Raymond Landon Bridgman, B.A. } Amherst College.	<i>Worcester, Mass.</i>	111 W. D. H.
Henry Arnold Brooks, B.S. } Dartmouth College.	<i>Acworth, N. H.</i>	464 Chapel st.
Amos Avery Browning, PH.B.	<i>Norwich,</i>	136 Crown st.
Clarendon Cobb Bulkley, B.A. } Trinity College.	<i>Lebanon, N. H.</i>	23 Lyon st.
Orlando Clarke Charlton, B.S. } Hanover College, Ind.	<i>New Albany, Ind.</i>	390 State st.
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Frank Woodbury Cobb, B.A. } Bates College.	<i>Lewiston, Me.</i>	111 W. D. H.
William Anderson Coffin, B.A.	<i>Pittsburgh, Pa.</i>	464 Chapel st.
Edward Sheffield Cowles, B.A.	<i>Farmington,</i>	6 Library st.
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August Hjalmar Edgren, PH.D.	<i>New Haven,</i>	189 George st.
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William Foster, B.A.	<i>Honolulu, H. I.</i>	156 Chapel st.
George Levi Fox, B.A.	<i>New Haven,</i>	7 College st.
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Oscar Harger, M.A.	<i>New Haven,</i>	14 University pl.
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Henry Allen Hazen, B.A. } Dartmouth College.	<i>New Haven,</i>	55 N. S. H.
Charles Hildebrand, PH.B.	<i>New Haven,</i>	16 Chestnut st.
Frederick Hodges Hoadley, B.A.	<i>New Haven,</i>	109 Elm st.
Allen Brewer Howe, PH.B.	<i>Troy, N. Y.</i>	14 S. H.

James C. McNaughton Johnston, B.D.	<i>New Wilmington, Pa.</i>	129 College st.
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John Punnett Peters, B.A.	<i>New York City,</i>	8 E. D. H.
Andrew Wheeler Phillips, PH.B., M.A. }	<i>New Haven,</i>	20 Orange st.
Trinity College.		
William Arthur Pratt, PH.B.	<i>New Haven,</i>	8 Gill st.
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Thomas Alexander Smith, B.A. }	<i>Morganville, O.</i>	38 High st.
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Henry Moses Walradt, B.A.	<i>Chester, Mass.</i>	35 High st.
John Wesley Wescott, B.A.	<i>New Haven,</i>	111 Court st.
George Willard Wood, B.A. }	<i>Lewiston, Me.</i>	156 York st.
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Henry Parks Wright, M.A.	<i>New Haven,</i>	34 Temple st.

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William Arnold,	<i>Brooklyn, N. Y.</i>	214 D.
Archibald Alexander Austin,	<i>Paris, Ill.</i>	24 S.
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Charles Leffingwell Bartlett,	<i>Hartford,</i>	213 D.
Bradbury Bedell,	<i>Athens, N. Y.</i>	14 S.
Charles Benner,	<i>Astoria, N. Y.</i>	211 D.
Frank Sherman Benson,	<i>Brooklyn, N. Y.</i>	239 D.
Charles Willard Bird,	<i>Bethlehem,</i>	106 N.
Thomas Noyes Birnie,	<i>Springfield, Mass.</i>	218 D.
Walker Blaine,	<i>Augusta, Me.</i>	29 S.
Elisha Slocum Bottom,	<i>Norwich,</i>	27 S.
David Walter Brown,	<i>Ogdensburg, N. Y.</i>	149 F.
William Martin Brown,	<i>New Britain,</i>	22 S.
Horace Riverside Buck,	<i>Sedalia, Mo.</i>	7 S.
Louis Frederic Burchard,	<i>Brooklyn, N. Y.</i>	71 N. M.
Allen Shaw Bush,	<i>New Haven,</i>	25 Prospect st.
George Ensign Bushnell,	<i>Beloit, Wisc.</i>	152 F.
Henry Maynard Butler,	<i>Chicago, Ill.</i>	212 D.
Frank Chamberlin,	<i>Milton, Pa.</i>	11 S.
Lowell Lawrence Clapp,	<i>West Killingly,</i>	181 L.
Edward Smith Clarke,	<i>Rochester, N. Y.</i>	235 D.
George Eaton Coney,	<i>New Haven,</i>	112 York st.
Robert Johnston Cook,	<i>Fayette City, Pa.</i>	30 S.
Dan Burr Cushman,	<i>Plymouth, N. Y.</i>	131 F.
Chester Mitchell Dawes,	<i>Pittsfield, Mass.</i>	30 S.
Henry Wheeler DeForest,	<i>New York City,</i>	238 D.
James Brooks Dill,	<i>New Haven,</i>	528 Chapel st.
William Shearman Doolittle,	<i>Utica, N. Y.</i>	203 D.
Augustus Wynkoop Dunning,	<i>New York City,</i>	204 D.
John Ewing Durand,	<i>Rochester, N. Y.</i>	214 D.
William Augustus Durrie,	<i>Jersey City, N. J.</i>	163 F.
Stanley Dwight,	<i>New York City,</i>	238 D.
Henry Clay Easton,	<i>Covington, Ky.</i>	12 S.
William DeLancey Ellwanger,	<i>Rochester, N. Y.</i>	235 D.
Arthur Howard Ely,	<i>Brooklyn, N. Y.</i>	148 F.
Edward Stiles Ely,	<i>New York City,</i>	217 D.
Robert Brown Fleming,	<i>Jersey City, N. J.</i>	217 D.
Charles Newell Fowler,	<i>Chicago, Ill.</i>	27 S.
William Nimick Frew,	<i>Pittsburgh, Pa.</i>	36 College st.
Kennedy Turner Friend,	<i>Pittsburgh, Pa.</i>	A.
Michael Furst,	<i>Brooklyn, N. Y.</i>	101 N.
Frank Augustus Gaylord,	<i>New York City,</i>	139 F.

John Flavel Gaylord,	<i>New Haven,</i>	138 F.
John Blanchard Gleason,	<i>Delhi, N. Y.</i>	202 D.
Jacob Goodman,	<i>Baltimore, Md.</i>	118 N.
Arthur Twining Hadley,	<i>New Haven,</i>	230 D.
Philip Hale,	<i>Northampton, Mass.</i>	9 S.
Stephen Decatur Harrison,	<i>Jersey City, N. J.</i>	117 N.
Charles DeForest Hawley,	<i>Chicago, Ill.</i>	9 S.
Charles Edwin Hill,	<i>East Killingly,</i>	220 D.
William Lansing Hodgman,	<i>Bath, N. Y.</i>	237 D.
Durbin Horne,	<i>Pittsburgh, Pa.</i>	25 S.
Elmer Parker Howe,	<i>Worcester, Mass.</i>	32 S.
Joseph Sexton Hunn,	<i>Rochester, N. Y.</i>	69 N. M.
Thomas Hunt,	<i>New Orleans, La.</i>	206 D.
Dwight Williams Hunter,	<i>Terryville,</i>	210 D.
Augustus Moën Hurlbutt,	<i>Stamford,</i>	11 S.
William Waldo Hyde,	<i>Hartford,</i>	210 D.
Isaac Morton Jackson,	<i>Plymouth, Mass.</i>	204 D.
John Joseph Jennings,	<i>Coventry,</i>	131 F.
Robert Johnson Jessup,	<i>Brooklyn, N. Y.</i>	165 F.
Colles Johnston,	<i>New York City,</i>	28 S.
Julian Halsted Kean,	<i>Elizabeth, N. J.</i>	28 S.
David Hyde Kellogg,	<i>Spuytten Duyvil, N. Y.</i>	165 F.
John B. Kendrick,	<i>Wallingford,</i>	91 N. M.
Edgar Jay Lake,	<i>Lake Forest, Ill.</i>	26 Elm st.
William Buehler Lamberton,	<i>Harrisburg, Pa.</i>	212 D.
Francis Augustus Leach,	<i>Lyons, N. Y.</i>	138 F.
Joseph Charless LeBourgeois,	<i>St. James, La.</i>	8 S.
Arthur Augustus Lockwood,	<i>New York City,</i>	237 D.
Edward Lewis Lockwood,	<i>Goshen, N. Y.</i>	15 S.
Frank Clifford Lyman,	<i>Northampton, Mass.</i>	123 N.
Oliver Ellsworth Lyman,	<i>New Haven,</i>	88 Trumbull st.
George William Amos Lyon,	<i>Covington, Ky.</i>	65 N. M.
Everett James McKnight,	<i>Ellington,</i>	22 S.
Joseph Howard Marvin,	<i>Brooklyn, N. Y.</i>	233 D.
Henry Frank Mather,	<i>Marlboro, Vt.</i>	6 S.
Louis William Maxson,	<i>San Francisco, Cal.</i>	123 N.
Robert Louis Mintie,	<i>Waterbury,</i>	6 S.
Frank Montgomery,	<i>Tremont, N. Y.</i>	206 D.
John Francis Nelson,	<i>Brooklyn, N. Y.</i>	7 S.
Henry Evans Northrop,	<i>New Haven,</i>	226 Church st.
John Howard Packard,	<i>Auburn, Me.</i>	46 York sq.
Frederic Werden Pangborn,	<i>Jersey City, N. J.</i>	163 F.
William Hampton Patton,	<i>Waterbury,</i>	74 N. M.
Winthrop Hoyt Perry,	<i>Southport,</i>	121 Elm st.
Myron Harry Phelps,	<i>Elmwood, Ill.</i>	73 N. M.
John Harold Philip,	<i>Claverack, N. Y.</i>	12 S.
Franklin Williams Pierce,	<i>Edgartown, Mass.</i>	103 N.
John Porter,	<i>New York City,</i>	211 D.
James George Rodger,	<i>Hammond, N. Y.</i>	16 S.

George Mills Rogers,	<i>Chicago, Ill.</i>	8 S.
George William Rollins,	<i>Hyde Park, Mass.</i>	24 S.
Jacob Livingston Roseboom,	<i>Roseboom, N. Y.</i>	119 N.
Philip Gray Russell,	<i>New Haven,</i>	26 S.
Alfred Lorin Rust,	<i>Portsmouth, N. H.</i>	65 N. M.
Leveritt Hyslip Sage,	<i>Hackensack, N. J.</i>	202 D.
Charles Palmer Sanford,	<i>New York City,</i>	14 S.
Louis B. Schram,	<i>Milwaukee, Wisc.</i>	101 N.
Benjamin B. Seelye,	<i>Middlebury,</i>	151 F.
Lewis William Shaffer,	<i>Cincinnati, O.</i>	25 S.
Rufus Biggs Smith,	<i>Cincinnati, O.</i>	29 S.
Charles Miller Stabler,	<i>New York City,</i>	107 N.
George Loomis Sterling,	<i>Trumbull,</i>	151 F.
Lispenard Stewart,	<i>New York City,</i>	13 S.
Nelson Hooker Strong,	<i>Colchester,</i>	149 F.
William Thaddeus Strong,	<i>West Roxbury, Mass.</i>	152 F.
Charles Clinton Swisher,	<i>Bloomsburg, Pa.</i>	130 F.
David Trumbull,	<i>Valparaiso, Chili,</i>	164 F.
Nathan Peabody Tyler,	<i>Barrytown, N. Y.</i>	229 D.
Frank Waldo Vaille,	<i>Springfield, Mass.</i>	117 N.
Horace Cheney Wait,	<i>New Haven,</i>	106 N.
William James Wakeman,	<i>Westport,</i>	148 F.
Lewis Jonathan Warren,	<i>Killingly,</i>	181 L.
George Creighton Webb,	<i>New York City,</i>	31 S.
John Adams Wells,	<i>New York City,</i>	72 N. M.
Frank Erastus Wheeler,	<i>Utica, N. Y.</i>	213 D.
Charles Henry Willcox,	<i>Stamford,</i>	229 D.
Francis Joseph Woodman,	<i>Great Falls, N. H.</i>	220 D.
Edwin Dean Worcester,	<i>Albany, N. Y.</i>	230 D.
Fred Norman Wright,	<i>Cortland, N. Y.</i>	105 N.
Herbert Stanley Young,	<i>Griswold,</i>	105 N.

SENIORS, 125.

## JUNIOR CLASS.

Nathan Davis Abbott,	<i>Watertown, Mass.</i>	93 N. M.
Charles Landon Alvord,	<i>West Winsted,</i>	157 F.
James Parkhill Andrews,	<i>Hartford,</i>	142 F.
John Birdsye Atwater,	<i>Minneapolis, Minn.</i>	154 F.
Eugene Voy Baker,	<i>New Haven,</i>	168 F.
Arthur Umney Bannard,	<i>Salem, N. J.</i>	144 F.
Charles Wheeler Barnes,	<i>New York City,</i>	221 D.
William Milo Barnum,	<i>Lime Rock,</i>	222 D.
John Kimberly Beach,	<i>New Haven,</i>	156 F.
Allen Everett Beeman,	<i>Stratford,</i>	177 F.
Walter Irving Bigelow,	<i>Grafton, Mass.</i>	219 D.

Willis Anson Briscoe,	Thompsonville,	23 S.
John Wolcott Bristol,	New Haven,	156 F.
Walter Brooks,	Rye, N. Y.	228 D.
Edgar Stickney Buffum,	Great Falls, N. H.	88 N. M.
Charles Clark Camp,	West Meriden,	176 F.
Jesse Lewis Case,	Peconic, N. Y.	194 C.
Joseph Hayes Chandler,	Saxton's River, Vt.	162 F.
Charles Fred Chapin,	South Hadley Falls, Mass.	108 N.
Henry Sabin Chase,	Waterbury,	222 D.
Robert Goodsell Chidsey,	Westville,	143 F.
Frank Edgar Clark,	Northampton, Mass.	145 F.
William Hurley Clark,	Bloomsburg, Pa.	134 F.
Charles Melville Clarke,	Monterey, Mass.	96 N. M.
Arthur Wells Cole,	Westmoreland, N. H.	93 N. M.
Richard Morse Colgate,	Orange, N. Y.	135 F.
William Welch Collin,	Penn Yan, N. Y.	227 D.
Elbridge Clinton Cooke,	Worcester, Mass.	159 F.
Israel Towne Cowles,	Belcherstown, Mass.	88 N. M.
James Pierpont Davenport,	Brooklyn, N. Y.	95 N. M.
Frederick Wendell Davis,	Hartford,	23 S.
Charles Porter Dickinson,	Fitchburg, Mass.	226 D.
Edwin Ruthven Dillingham,	Brooklyn, N. Y.	173 F.
Edward Martin Dudley,	Easton,	144 F.
James Henry Dyson,	New Britain,	96 N. M.
Samuel Lewis Eaton,	Lancaster, Wisc.	75 N. M.
Gustavus Eliot,	North Haven,	168 F.
George Thomson Elliot,	New Orleans, La.	173 F.
Samuel Augustus Fisk,	Northampton, Mass.	161 F.
George Ward Foote,	New Haven,	87 N. M.
James Stephen Foote,	Colchester,	87 N. M.
Cleaveland Forbes,	San Francisco, Cal.	144 Orange st.
William Jehiel Forbes,	Brooklyn, N. Y.	171 F.
William Hall Ford,	Brooklyn, N. Y.	134 F.
Russell Frost,	Delhi, N. Y.	157 F.
Edwin Baker Gager,	Scotland,	2 TR.
Edwin Burpee Goodell,	New Haven,	113 N.
Thomas Dwight Goodell,	New Haven,	113 N.
Frank Daniel Goodhue,	Cincinnati, O.	223 D.
Lewis Edward Goodier,	Utica, N. Y.	135 F.
Anthony Gould,	Albany, N. Y.	221 D.
Harry Dickinson Green,	Reading, Pa.	122 N.
Arthur Huntington Gulliver,	Norwich,	201 D.
Orlando Hall,	Cleveland, O.	223 D.
John Ruggles Hatch,	New York City,	225 D.
Thomas Avery Hine,	Newark, N. Y.	92 N. M.
Alpheus Clark Hodges,	Rochester, N. Y.	232 D.
James Birchard Howard,	Grand Rapids, Mich.	174 F.
Albert Hoystradt,	Hudson, N. Y.	225 D.
Arthur Hancock Ingraham,	Brooklyn, N. Y.	86 Wall st.



Eric Harrison Johnson,	<i>Putnam,</i>	160 F.
Harry Meyer Johnson,	<i>New York City,</i>	228 D.
John Herbert Johnston,	<i>New York City,</i>	234 D.
Ardon Legrand Judd,	<i>Stratford,</i>	168 F.
John Frisbee Keator,	<i>Roxbury, N. Y.</i>	I S.
John Everett Keeler,	<i>Stamford,</i>	75 N. M.
William Hoyt Kelsey,	<i>Bridgeport,</i>	97 N.
Arthur Reade Kimball,	<i>Westbrook,</i>	139 F.
George Edward Langdon,	<i>Plymouth,</i>	234 D.
Charles Harry Lillienthal,	<i>Yonkers, N. Y.</i>	130 F.
William Penn Macomber,	<i>Portsmouth, R. I.</i>	226 D.
George Edward Matthews,	<i>Buffalo, N. Y.</i>	166 F.
Benjamin Maurice,	<i>Sing Sing, N. Y.</i>	88 Wall st.
Webster Merrifield,	<i>Williamsville, Vt.</i>	108 N.
Charles Sumner Mervine,	<i>Milton, Pa.</i>	146 F.
Charles Sumner Miller,	<i>Rochester, N. Y.</i>	420 Chapel st.
Frank Arthur Mitchell,	<i>Norwich,</i>	227 D.
Frank Wisner Murray,	<i>Goshen, N. Y.</i>	158 F.
James Boyd Neal,	<i>Bloomsburg, Pa.</i>	231 D.
Robert Gilbert Osborn,	<i>New Haven,</i>	150 York st.
Frank Whitney Paige,	<i>East Hampton,</i>	99 N.
Theodore Peet,	<i>New York City,</i>	231 D.
Frederick Bosworth Percy,	<i>Bath, Me.</i>	215 D.
Edwin Oscar Perrin,	<i>Richmond Hill, N. Y.</i>	174 F.
Frank Hinchman Platt,	<i>Owego, N. Y.</i>	161 F.
Orville Reed,	<i>Lansingburgh, N. Y.</i>	162 F.
Clarence Ledoux Reid,	<i>Chicago, Ill.</i>	169 F.
Henry Roberts,	<i>Hartford,</i>	215 D.
Henry Martyn Rood,	<i>Natal, S. Africa,</i>	15 Home pl.
William Ruggles Sanborn,	<i>New Haven,</i>	17 Court st.
Frederick Rufus Sanford,	<i>Waterbury,</i>	188 C.
Joshua Montgomery Sears,	<i>Boston, Mass.</i>	150 Crown st.
Frank Holmes Shaffer,	<i>Cincinnati, O.</i>	145 F.
Charles Henry Shelton,	<i>Jersey City, N. J.</i>	129 F.
George French Shelton,	<i>Southbury,</i>	76 N. M.
Daniel Dennis Sherman,	<i>Newburgh, N. Y.</i>	172 F.
Orray Taft Sherman,	<i>Newburgh, N. Y.</i>	172 F.
Morris Shotwell Shipley,	<i>Cincinnati, O.</i>	232 D.
Gerrit Smith,	<i>Madison,</i>	116 N.
Thomas Edward Vermilye Smith,	<i>New York City,</i>	132 F.
Israel Selden Spencer,	<i>Syracuse, N. Y.</i>	36 College st.
Charles Haley Stevens,	<i>New Haven,</i>	90 N. M.
George Whitfield Stickle,	<i>Rockaway, N. J.</i>	146 F.
Frederick Julian Stimson,	<i>New York City,</i>	209 D.
Charles Hamot Strong,	<i>Erie, Pa.</i>	201 D.
Edmund Roderick Terry,	<i>Brooklyn, N. Y.</i>	158 F.
John Seymour Thacher,	<i>New Haven,</i>	169 F.
George Huntington Thomas,	<i>Norwich,</i>	159 F.
Lewis Frank Tooker,	<i>Port Jefferson, N. Y.</i>	147 F.

George Montgomery Tuttle,	<i>Minneapolis, Minn.</i>	154 F.
Charles Cadwell Tyler,	<i>Rome, N. Y.</i>	129 F.
William Henry Upton,	<i>Portland, Oregon,</i>	97 N.
Nathaniel Upham Walker,	<i>Concord, N. H.</i>	209 D.
Samuel Morris Waln,	<i>Walnford, N. Y.</i>	147 F.
Frank Woodruff Wheaton,	<i>Binghamton, N. Y.</i>	10 S.
John Meek Whitehead,	<i>Hillsboro, Ill.</i>	176 F.
William Erving Whitney,	<i>Boston, Mass.</i>	132 F.
Alexander Martin Wilcox,	<i>Baltimore, Md.</i>	103 N.
Arthur Williams,	<i>Hartford,</i>	142 F.
William Pierrepont Williams,	<i>Stratford,</i>	177 F.
Philip Johnson Wilson,	<i>Millerton, N. Y.</i>	95 N. M.
Frederic Seymour Winston,	<i>Chicago, Ill.</i>	219 D.

JUNIORS, 122.

## SOPHOMORE CLASS.

William Martin Aber,	<i>Oswego, N. Y.</i>	84 N. M.
George Clarence Ackerman,	<i>New Haven,</i>	191 C.
Harlan Page Beach,	<i>S. Orange, N. Y.</i>	124 W. D. H.
Frank Armstrong Beckwith,	<i>Waterbury,</i>	3 S.
Fred Jason Beckwith,	<i>New London,</i>	59 S. M.
William Passmore Belden,	<i>New Haven,</i>	44 York sq. pl.
Edward Morgan Bell,	<i>Stamford,</i>	187 C.
Edwin Austin Benton,	<i>Mt. Lebanon, Syria,</i>	186 C.
Douglas Putnam Birnie,	<i>Springfield, Mass.</i>	218 D.
Isadore Nathan Bloom,	<i>Louisville, Ky.</i>	42 S. M.
Herbert Wolcott Bowen,	<i>Brooklyn, N. Y.</i>	57 W. D. H.
Charles Edwin Briggs,	<i>Rockford, Ill.</i>	42 S. M.
Charles Henry Brigham,	<i>Rockville,</i>	189 C.
Frederick James Brown,	<i>Waterbury,</i>	46 S. M.
Oliver Winslow Brown,	<i>Norwich,</i>	35 High st.
Alexander Jay Bruen,	<i>Washington, D. C.</i>	86 W. D. H.
George William Burton,	<i>Manchester, Vt.</i>	114 N.
Treat Campbell,	<i>Springfield, Ill.</i>	43 S. M.
Charles Francis Carter,	<i>Chicopee Falls, Mass.</i>	20 S.
Edward Fremont Chamberlin,	<i>Scranton, Pa.</i>	54 S. M.
Arthur Dickenson Chandler,	<i>Woodstock,</i>	104 N.
Paul Charlton,	<i>Harrisburgh, Pa.</i>	60 S. M.
John Proctor Clarke,	<i>New York City,</i>	38 High st.
Hollis William Cobb,	<i>Shrewsbury, Mass.</i>	193 C.
Harry Clark Coe,	<i>New Haven,</i>	86 Howe st.
Henry Eugene Coe,	<i>New York City,</i>	40 S. M.
Arthur Nott Cooley,	<i>Pittsfield, Mass.</i>	149 York st.
George Lewis Curtis,	<i>Canandaigua, N. Y.</i>	167 Crown st.
Arthur Payson Dana,	<i>Wellesley, Mass.</i>	74 High st.

Ernest Davis,	<i>Brooklyn, N. Y.</i>	20 S.
Archibald Alexander Dersheimer,	<i>Falls, Pa.</i>	18 S.
Stanley Walker Dexter,	<i>San Francisco, Cal.</i>	44 S. M.
William Lowry Dickson,	<i>Cincinnati, O.</i>	94 N. M.
Charles Hawkins Dilley,	<i>Watertown, N. Y.</i>	84 N. M.
Walter Erskine Dimmick,	<i>Honesdale, Pa.</i>	37 S. M.
William Victor Downer,	<i>Chittenango, N. Y.</i>	39 S. M.
Frederic Bennett Dubach,	<i>Hannibal, Mo.</i>	67 N. M.
Silas Baker Dutton,	<i>Hillsboro Bridge, N. H.</i>	189 C.
George Benjamin Edwards,	<i>Russellville, Ky.</i>	100 N.
Charles Adam Feick,	<i>Newark, N. J.</i>	6 Library st.
Albert Baldwin Fifield,	<i>Providence, R. I.</i>	186 C.
Edward Willis Flagg,	<i>Northboro', Mass.</i>	114 N.
Roger Sherman Baldwin Foster,	<i>Boston, Mass.</i>	101 W. D. H.
Charles Fowler,	<i>Kingston, N. Y.</i>	64 S. M.
Charles Henry Freedman,	<i>New Haven,</i>	50 George st.
Charles Minor Gilbert,	<i>New Haven,</i>	86 York st.
George Edwards Gilbert,	<i>New Haven,</i>	86 York st.
William Thurston Gilbert,	<i>Brooklyn, N. Y.</i>	56 S. M.
William Brown Glover,	<i>Fairfield,</i>	464 Chapel st.
William Walker Green,	<i>Englewood, N. J.</i>	432 Chapel st.
Edward Platt Hickox,	<i>Washington,</i>	194 C.
Joseph Wood Hill,	<i>Westport,</i>	4 S.
Wallace Worth Hite,	<i>Lancaster, O.</i>	159 Temple st.
Howard Clark Hollister,	<i>Cincinnati, O.</i>	38 S. M.
Louis Hood,	<i>Newark, N. J.</i>	133 F.
Harry Hutchinson Hostetter,	<i>Pittsburgh, Pa.</i>	A.
Henry Martyn Hoyt,	<i>Wilkes-Barre, Pa.</i>	45 S. M.
Burgess Scott Hurtt,	<i>Yonkers, N. Y.</i>	44 S. M.
William Knowles James,	<i>Hamburg, Iowa,</i>	190 C.
Tudor Storrs Jenks,	<i>Brooklyn, N. Y.</i>	56 S. M.
John Gould Jennings,	<i>Cleveland, O.</i>	63 W. D. H.
Carlton Rogers Jewett,	<i>Moravia, N. Y.</i>	48 S. M.
Ernest Clifton Johnson,	<i>Walton, N. Y.</i>	18 S.
John Quincy Adams Johnson,	<i>Newburyport, Mass.</i>	47 S. M.
Edwin Morgan Joslyn,	<i>New York City,</i>	40 S. M.
Philip Keller,	<i>Ashland, Pa.</i>	66 N. M.
Edward Browning Kellogg,	<i>Colchester,</i>	17 S.
Clarence Hill Kelsey,	<i>Bridgeport,</i>	4 S.
George Henry Knight,	<i>Lakeville,</i>	10 S.
George Tapscott Knott,	<i>Springfield, Mo.</i>	85 N. M.
Henry Winslow Lamb,	<i>Norwich,</i>	17 S.
James McCormick Lamberton,	<i>Harrisburgh, Pa.</i>	60 S. M.
Frederick Benjamin Lathrop,	<i>Tolland,</i>	67 N. M.
William Henry Law,	<i>New Haven,</i>	44 Elm st.
Louis LeBourgeois,	<i>St. James, La.</i>	464 Chapel st.
Herman Livingston,	<i>New York City,</i>	57 S. M.
George Lodiwick McAlpine,	<i>New York City,</i>	43 S. M.
Harry Bruce McCarroll,	<i>Morristown, N. J.</i>	48 S. M.

John Prouty McCune,	Columbus, O.	63 s. m.
John Irving McDonald,	St. Joseph, Mo.	505 Chapel st.
James Briggs McEwan,	Albany, N. Y.	82 N. M.
Edwin McKnight,	Middleport, N. Y.	85 N. M.
Charles Baynard Martin,	Milwaukee, Wisc.	157 George st.
Frank Maxon,	Schenectady, N. Y.	37 s. m.
Walter Lee Merwin,	Durham,	100 N.
Philip Washburn Moen,	Worcester, Mass.	150 Crown st.
Royal Corban Moodie,	East Craftsbury, Vt.	190 C.
Sands Fish Moore,	Lapeer, Mich.	94 N. M.
Samuel Merrill Moores,	Indianapolis, Ind.	167 F.
Charles Henry Morgan,	Cleveland, O.	464 Chapel st.
George Seth Morgan,	New London,	59 s. m.
Edward Lind Morse,	Poughkeepsie, N. Y.	61 s. m.
Thomas Ephraim Mower,	Litchfield,	39 s. m.
George Smith Palmer,	Montville,	104 N.
Charles Parsons,	New York City,	458 Chapel st.
Raymond Albert Patterson,	Chicago, Ill.	63 s. m.
John Northrup Peet,	Brooklyn, N. Y.	53 s. m.
James Protus Pigott,	New Haven,	66 N. M.
George Edward Pollock,	Pittsfield, Mass.	57 s. m.
John Addison Porter,	New Haven,	45 s. m.
Frederick Potter,	New York City,	464 Chapel st.
Warren Aaron Ransom,	New York City,	62 s. m.
Edward Enoch Reed,	Columbia, S. C.	45 Goffe st.
Alfred Lawrence Ripley,	Andover, Mass.	61 s. m.
James Monroe Ruso,	Albany, N. Y.	82 N. M.
Henry Chauncey Savage,	Philadelphia, Pa.	462 Chapel st.
Lawrence Henry Schwab,	Fordham, N. Y.	113 W. D. H.
William Benton Scranton,	New Haven,	192 C.
Edward Howard Seely,	Brooklyn, N. Y.	46 s. m.
George Albert Sessions,	Cleveland, O.	144 George st.
Severyn Bruyn Sharpe,	Kingston, N. Y.	64 s. m.
Charles Herbert Shaw,	New York City,	216 D.
Charles Sidney Shepard,	New Haven, N. Y.	66 W. D. H.
Allton Harvey Sherman,	Eastford,	81 N. M.
Edward Wier Smith,	West Meriden,	191 C.
Edwin Whittier Smith,	Pittsburgh, Pa.	216 D.
Frederick Sumner Smith,	New Haven,	78 Trumbull st.
Friend William Smith,	Bridgeport,	187 C.
George Joseph Smith,	Manhasset, N. Y.	208 D.
Charles Langford Spencer,	St. Paul, Minn.	55 s. m.
Walter Squires,	New York City,	74 High st.
Henry Judson Starr,	Peoria, Ill.	458 Chapel st.
Charles Martin Stone,	Binghamton, N. Y.	55 s. m.
Edgar Heathcote Stone,	Sioux City, Iowa,	458 Chapel st.
Theodore Chester Strong,	Pittston, Pa.	192 C.
Charles Allen Studwell,	Williamsburg, N. Y.	124 High st.
William Howard Taft,	Cincinnati, O.	108 York st.

Inajiro Tanaka Tajiri,	Kagoshima, Japan,	217 Crown st.
Arthur Bailey Taylor,	Springfield, Mass.	53 S. M.
William Henry Taylor,	Chicago, Ill.	3 S.
William Howard Taylor,	Brookline, Mass.	74 High st.
Joseph Irving Tayntor,	Marlboro', Mass.	193 C.
Joseph Almon Ticknor,	New Marlboro', Mass.	54 S. M.
George Trowbridge,	New York City,	2 S.
John Trumbull,	Valparaiso, Chili,	164 F.
James Riedell Tucker,	Durham,	81 N. M.
Cyrus Calhoun Turner,	Washington, Ind.	140 F.
Harold Sheffield Van Buren,	Englewood, N. J.	458 Chapel st.
William Allen Van Buren,	Covington, Ky.	98 N.
Ambrose Lee Wager,	Rhinebeck, N. Y.	47 S. M.
William Everett Waters,	Cincinnati, O.	98 N.
Benjamin Rush Wendell,	Cazenovia, N. Y.	63 W. D. H.
Frank Baldwin Wesson,	New York City,	38 S. M.
Holland Stratford Whiting,	New York City,	208 D.
Edward Baldwin Whitney,	New Haven,	246 Church st.
George Patten Whittlesey,	Washington, D. C.	464 Chapel st.
Marion Wilcox,	New Haven,	15 York sq.
Reynold Webb Wilcox,	Madison,	116 N.
Frank Crew Willcox,	Newark, N. J.	143 F.
Charles Kemble Woodbury,	Norwalk,	124 N.
Clarence Samuel Woodruff,	Wilkes-Barre, Pa.	6 Library st.
Thomas Cook Wordin,	Bridgeport,	124 N.
John Wurts,	New Haven,	65 Whitney av.
Rudolf Wurts,	New Haven,	65 Whitney av.
William Lawrence Ross Wurts,	Paterson, N. J.	175 F.

SOPHOMORES, 155.

## FRESHMAN CLASS.

Herbert Cummings Adams,	Parishville, N. Y.	96 York st.
Edwin Morgan Adee,	Westchester, N. Y.	143 York st.
Charles Francis Aldrich,	Worcester, Mass.	464 Chapel st.
William Palmer Allen,	Auburn, N. Y.	101 York st.
Charles Elliott Anthony,	Chicago, Ill.	35 High st.
Theodore Bedell Armstrong,	Owego, N. Y.	120 College st.
William Cooper Asay,	Chicago, Ill.	221 Elm st.
Charles Brewster Atwater,	Bridgeport,	109 N.
Otis Elihu Atwater,	Brattleboro, Vt.	13 Trumbull st.
Hugh Dudley Auchincloss,	New York City,	76 Howe st.
Will. Ward Bailey,	New Haven,	185 Temple st.
Ralph Barker,	New York City,	464 Chapel st.
William DeLuce Barnes,	Brooklyn, N. Y.	113 College st.
Thomas Rossiter Barnum,	New Haven,	38 Humphrey st.

Augustus Wood Bell,	<i>Morristown, N. J.</i>	64 High st.
Edward Tyler Blair,	<i>Chicago, Ill.</i>	43 College st.
Louis Norman Booth,	<i>Bridgeport,</i>	82 Wall st.
Edward Augustus Bowers,	<i>New Haven,</i>	117 Crown st.
Lloyd Wheaton Bowers,	<i>Elizabeth, N. J.</i>	464 Chapel st.
Caius Cobb Bragg,	<i>Cincinnati, O.</i>	120 High st.
Lorenzo Cary Brooks,	<i>Chicago, Ill.</i>	523 Chapel st.
William Livingston Bruen,	<i>Washington, D. C.</i>	86 W. D. H.
Harry Austin Buffum,	<i>Great Falls, N. H.</i>	120 College st.
Jonathan Bulkley,	<i>Brooklyn, N. Y.</i>	491 Chapel st.
Henry Bunn,	<i>Springfield, Ill.</i>	35 High st.
Lucien Francis Burpee,	<i>Rockville,</i>	80 N. M.
Charles Drayton Burrill,	<i>New York City,</i>	489 Chapel st.
Henry Allen Bushnell,	<i>Saybrook,</i>	126 N.
Donald Yorke Campbell,	<i>Oakland, Cal.</i>	64 High st.
Augustus Stiles Carrier,	<i>Erie, Pa.</i>	41 College st.
Ernest Carter,	<i>Chicago, Ill.</i>	116 High st.
Lung Chun,	<i>Hien Shang, China,</i>	86 Wall st.
Frank Parker Chamberlain,	<i>New York City,</i>	9 Library st.
Martin Clark,	<i>Buffalo, N. Y.</i>	88 Wall st.
Joseph Russell Clarkson,	<i>Chicago, Ill.</i>	221 Elm st.
Benjamin Bourne Clay,	<i>Gardiner, Me.</i>	35 High st.
Aaron Van Schaick Cochrane,	<i>Coxsackie, N. Y.</i>	222 Crown st.
William Newton Collins,	<i>New York City,</i>	130 York st.
Macgrane Coxe,	<i>Huntsville, Ala.</i>	120 High st.
Oliver Turnbull Crane,	<i>Morristown, N. J.</i>	77 York st.
Henry Cooper Crouch,	<i>Kingston, N. Y.</i>	36 High st.
John Guy Crump,	<i>New London,</i>	78 N. M.
Frank Moody Curtiss,	<i>Yonkers, N. Y.</i>	161 George st.
John William Curtiss,	<i>Watertown,</i>	73 York st.
Julian Wheeler Curtiss,	<i>Fairfield,</i>	73 York st.
David Daggett,	<i>New Haven,</i>	60 Wall st.
Louis Shepard DeForest,	<i>New Haven,</i>	Compton st.
Arthur Cushing Dill,	<i>New Haven,</i>	528 Chapel st.
Henry Herbert Donaldson,	<i>New York City,</i>	494 Chapel st.
Andrew Penrose Lusk Dull,	<i>Harrisburgh, Pa.</i>	7 Library st.
James Webster Eaton,	<i>Albany, N. Y.</i>	526 Chapel st.
Newell Avery Eddy,	<i>Bangor, Me.</i>	9 Library st.
Gerard Morris Edwards,	<i>New York City,</i>	420 Chapel st.
Charles Mitchell Fabrique,	<i>New Haven,</i>	5 Springfield st.
Frank Clifton Fairchild,	<i>Newark, N. J.</i>	36 High st.
John Villiers Farwell,	<i>Chicago, Ill.</i>	43 College st.
Edward Hart Fenn,	<i>Hartford,</i>	162 York st.
Thomas Legare Fenn,	<i>Jersey City, N. J.</i>	77 N. M.
David Fleischman,	<i>Albany, N. Y.</i>	76 High st.
Samuel Peters Foadick,	<i>Stamford,</i>	464 Chapel st.
Edward Stacy Fowler,	<i>Millbury, Mass.</i>	127 N.
William Henry Fowler,	<i>Tetersburgh, Ind.</i>	175 George st.

John Milton Fox,	<i>Salem,</i>	30 Court st.
John Lester Franklin,	<i>New Haven,</i>	34 Trumbull st.
Roscoe Rush Giltner,	<i>Portland, Oregon,</i>	128 N.
Henry Sherwood Green,	<i>New Milford,</i>	112 N.
Robert Ryers Griswold,	<i>Binghamton, N. Y.</i>	116 College st.
Otis Clay Hadley,	<i>Danville, Ind.</i>	73 York st.
Robert William Hardie,	<i>Albany, N. Y.</i>	76 High st.
William Denison Hatch,	<i>New York City,</i>	78 N. M.
Amos Hathaway,	<i>Willimantic,</i>	86 Wall st.
William Whitney Hawkes,	<i>Portland, Me.</i>	753 Chapel st.
Howard Wortley Hayes,	<i>Newark, N. J.</i>	143 York st.
Edwin Cooper Haynie,	<i>Springfield, Ill.</i>	35 High st.
John Jacob Hill,	<i>Pittsburgh, Pa.</i>	120 College st.
James William Hillhouse,	<i>Montville,</i>	126 High st.
Henry Hitchcock,	<i>St. Louis, Mo.</i>	143 York st.
Leonard Milton Hodges,	<i>Chicago, Ill.</i>	133 College st.
Arthur Locke Holmes,	<i>Walpole, N. H.</i>	111 N.
Charles Hubbard Howland,	<i>New Haven,</i>	113 Howe st.
Louis Howland,	<i>Indianapolis, Ind.</i>	15 Home pl.
William Colburn Husted,	<i>Brooklyn, N. Y.</i>	107 York st.
Frank Eldridge Hyde,	<i>Hartford,</i>	222 Crown st.
Lewis Huntington Hyde,	<i>Norwich,</i>	503 Chapel st.
Frank Jones,	<i>Kansas City, Mo.</i>	127 Ward st.
Herbert Samuel Jones,	<i>South Sudbury, Mass.</i>	112 N.
Elisha Brooks Joyce,	<i>New York City,</i>	145 York st.
Edward James Judd,	<i>Chicago, Ill.</i>	116 High st.
Bruce Smith Keator,	<i>Roxbury, N. Y.</i>	1 S.
John William Keller,	<i>Paris, Ky.</i>	128 N.
George Morrill Kimball,	<i>Concord, N. H.</i>	7 Library st.
Samuel Ayer Kimball,	<i>Bath, Me.</i>	125 N.
George Washington Kirchwey,	<i>Albany, N. Y.</i>	96 York st.
Oscar Alexander Knight,	<i>Camden, Me.</i>	9 Library st.
William Armstrong Labaree,	<i>Cincinnati, O.</i>	86 Howe st.
Spencer Thien Lok Laisun,	<i>Shanghai, China,</i>	226 Church st.
Gilbert Dimock Lamb,	<i>Franklin,</i>	86 Wall st.
George Lester Lewis,	<i>Buffalo, N. Y.</i>	88 Wall st.
George Sigmund Linde,	<i>New Haven,</i>	135 Congress av.
David Charles Lines,	<i>Woodbridge,</i>	Tontine Hotel.
Charles Herbert Livermore,	<i>North Haven,</i>	60 W. D. H.
Edmund Pendleton Livingston,	<i>New York City,</i>	108 York st.
Frank Bey Ludeling,	<i>Monroe, La.</i>	77 Yorkst.
Frederick Lyndhurst Ludeling,	<i>Monroe, La.</i>	77 York st.
Harry Lyne,	<i>Augusta, Ill.</i>	120 College st.
Hugh Copeland McCord,	<i>Bridgeport,</i>	125 N.
Malcolm McIvor McKenzie,	<i>New Haven,</i>	244 Orchard st.
Henry Hubbell McNair,	<i>Lima, N. Y.</i>	76 High st.
Henry Maltzberger,	<i>Reading, Pa.</i>	60 W. D. H.
Frank Wanzer Marsh,	<i>New Milford,</i>	127 N.
Thomas Brunton Marston,	<i>Chicago, Ill.</i>	523 Chapel st.

James William Martin,	<i>Freeport, Ill.</i>	76 High st.
Ivan Matthias Marty,	<i>Kansas City, Mo.</i>	182 L.
Charles Loveland Merriam,	<i>West Meriden,</i>	160 Martin st.
William Carter Merritt,	<i>Oakland, Cal.</i>	182 L.
James Stetson Metcalfe,	<i>Buffalo, N. Y.</i>	68 N. M.
James Middleton,	<i>New Haven,</i>	29 College st.
Charles Miller,	<i>Williston, Vt.</i>	79 N. M.
Winfield Scott Moody,	<i>Norwalk,</i>	68 N. M.
George Douglas Munson,	<i>Wallingford,</i>	60 W. D. H.
Robert Hallam Munson,	<i>Williamsport, Pa.</i>	103 Park st.
John James Nairn,	<i>Washington, D. C.</i>	165 Temple st.
Howard Dunlap Newton,	<i>Norwich, N. Y.</i>	110 N.
Harold Marther North,	<i>New York City,</i>	134 College st.
Edward McArthur Noyes,	<i>Woodbury,</i>	640 W. Chapel st.
Norris Galpin Osborn,	<i>New Haven,</i>	156 Olive st.
William Newton Parker,	<i>New Haven,</i>	494 Chapel st.
Clarence Adelbert Parmelee,	<i>Killingworth,</i>	90 Court st.
William Hale Parmenter,	<i>Athol, Mass.</i>	101 York st.
Charles Booth Peck,	<i>Bridgeport,</i>	244 Crown st.
Isaac Peck,	<i>Flushing, N. Y.</i>	136 College st.
William Warner Penfield,	<i>New Rochelle, N. Y.</i>	489 Chapel st.
John Orlando Perrin,	<i>La Fayette, Ind.</i>	73 York st.
William Henry Perrin,	<i>La Fayette, Ind.</i>	73 York st.
Lewis Alfred Platt,	<i>Waterbury,</i>	153 Crown st.
Adrian Suydam Polhemus,	<i>Astoria, N. Y.</i>	9 Library st.
Harry Montague Robertson,	<i>New York City,</i>	126 High st.
Thomas Edward Rochfort,	<i>New Haven,</i>	37 Bradley st.
Robert Simpson Rodman,	<i>Rock Island, Ill.</i>	9 Library st.
Henry Lincoln Rowland,	<i>Weston,</i>	41 High st.
William Graydon Seeley,	<i>Brooklyn, N. Y.</i>	124 High st.
Albert William Shaw,	<i>Buffalo, N. Y.</i>	36 High st.
John Woodruff Shepard,	<i>Hartford,</i>	126 N.
Frederic Thomas Simpson,	<i>Bath, Me.</i>	109 N.
William Cobbett Skinner,	<i>Holyoke, Mass.</i>	165 Temple st.
Charles Robert Smith,	<i>Green Springs, O.</i>	523 Chapel st.
Edward Iungerich Smith,	<i>Philadelphia, Pa.</i>	159 George st.
George Waldo Flint Smith,	<i>Potsdam, N. Y.</i>	96 York st.
William Henry Smith,	<i>Brooklyn, N. Y.</i>	72 High st.
Alpheus Henry Snow,	<i>Hartford,</i>	222 Crown st.
John George Christopher Sonn,	<i>Newark, N. J.</i>	36 High st.
Edward Southworth,	<i>West Springfield, Mass.</i>	139 High st.
Louis Lee Stanton,	<i>New York City,</i>	464 Chapel st.
Thomas Wells Stiles,	<i>New Haven,</i>	86 Whitney av.
James Page Stinson,	<i>Wiscasset, Me.</i>	27 Temple st.
Frederic Abbot Stokes,	<i>Detroit, Mich.</i>	103 Park st.
Willis Edson Story,	<i>Milwaukee, Wisc.</i>	221 Elm st.
Delevan Sumner Sweet,	<i>Phoenix, N. Y.</i>	79 N. M.
Louis Judson Swinburne,	<i>Albany, N. Y.</i>	526 Chapel st.
Henry James Ten Eyck,	<i>Albany, N. Y.</i>	526 Chapel st.



Charles Francis Terhune,  
 Arthur Hutchinson Terry,  
 John Taylor Terry,  
 Oliver David Thompson,  
 Ambrose Tighe,  
 James Duncan Torreyson,  
 Winston John Trowbridge,  
 Herbert Marshall Tufts,  
 Fred Pierson Tuttle,  
 Otis Harvey Waldo,  
 George Dutton Watrous,  
 Benjamin Webster,  
 Harry Kellogg Willard,  
 Samuel Porter Willard,  
 Frederick Wells Williams,  
 John Eastman Wilson,  
 Mardon Dewees Wilson,  
 Walter Crafts Witherbee,  
 Timothy Lester Woodruff,  
 Frank Alexander Wright,

*Binghamton, N. Y.*  
*Southold, N. Y.*  
*Irvington, N. Y.*  
*Butler, Pa.*  
*Brooklyn, N. Y.*  
*Carson City, Nev.*  
*New Haven,*  
*Utica, N. Y.*  
*Oakland, Cal.*  
*Milwaukee, Wisc.*  
*New Haven,*  
*Bethlehem, Pa.*  
*Washington, D. C.*  
*Colchester,*  
*Utica, N. Y.*  
*Rockville,*  
*Philadelphia, Pa.*  
*New York City,*  
*Brooklyn, N. Y.*  
*Goshen, N. Y.*

140 F.  
 153 Crown st.  
 133 College st.  
 106 York st.  
 7 Library st.  
 77 York st.  
 221 Church st.  
 106 York st.  
 77 York st.  
 221 Elm st.  
 63 Whitney av.  
 72 High st.  
 110 N.  
 77 N. M.  
 464 Chapel st.  
 80 N. M.  
 111 N.  
 120 High st.  
 178 George st.  
 72 High st.

FRESHMEN, 180.

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## SHEFFIELD SCIENTIFIC SCHOOL.

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### GOVERNING BOARD.

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OSCAR D. ALLEN, Ph.D.

ADDISON E. VERRILL, M.A.

WILLIAM G. MIXTER, Ph.B.

SIDNEY I. SMITH, Ph.B.

## GRADUATE STUDENTS.

Thomas Marcus Blakslee, PH.B. } Madison University.	Hamilton, N. Y.	36 Prospect st.
Edward Alexander Bouchet, B.A.	New Haven,	42 Bradley st.
Amos Avery Browning, PH.B.	Norwich,	136 Crown st.
Clarendon Cobb Bulkley, B.A. } Trinity College.	Lebanon, N. H.	23 Lyon st.
Orlando Clarke Charlton, B.S. } Hanover College, Ind.	New Albany, Ind.	390 State st.
Russell Henry Chittenden, PH.B.	New Haven,	23 Humphrey st.
Charles Howard Fitch, PH.B.	New Haven,	58 Olive st.
Edward Everett Gaylord, B.A.	Ashford,	4 Library st.
George Bird Grinnell, B.A.	New York City,	6 Library st.
Oscar Harger, M.A.	New Haven,	14 University pl.
George Wesson Hawes, PH.B.	Boston, Mass.	14 S. H.
Henry Allen Hazen, B.A. } Dartmouth College.	New Haven,	55 N. S. H.
Charles Hildebrand, PH.B.	New Haven,	16 Chestnut st.
Frederick Hodges Hoadley, B.A.	New Haven,	109 Elm st.
Allen Brewer Howe, PH.B.	Troy, N. Y.	14 S. H.
Julian Kennedy, PH.B.	Struthers, O.	31 Bristol st.
Calvin Morgan McClung, B.A. } East Tennessee University.	Knoxville, Tenn.	114 High st.
Mansfield Merriman, C.E.	Southington,	8 Audubon st.
William Barton Payne, B.A. } East Tennessee University.	Knoxville, Tenn.	126 Crown st.
Frederic Noah Pease, PH.B.	Ellington,	32 Bristol st.
Claudius Victor Pendleton, PH.B.	Bosrah,	57 N. S. H.
William Arthur Pratt, PH.B.	New Haven,	8 Gill st.
George Henry Seyms, B.A. } Trinity College.	Hartford,	90 Grove st.
Joseph John Skinner, C.E.	New Haven,	710 Chapel st.
Thomas Alexander Smith, B.A. } Muskingum College.	Morganville, O.	38 High st.
Thomas Berry Smith, B.A. } Fritchett Institute, Glasgow, Mo.	Glasgow, Mo.	46 York Square Pl.
Frederick Moncrieff Turnbull, PH.B.	Hartford,	35 High st.

GRADUATES. 27.

NOTE.—These names have already been inserted in the list of Graduate Students on page 21.

## UNDERGRADUATE STUDENTS.

### SENIOR CLASS.

David Root Alden,	<i>Westville,</i>	126 High st.
Halsey Warren Allen,	<i>Jersey City, N. J.</i>	63 W. D. H.
Evelyn Marcelon Andrews,	<i>Norwich,</i>	22 Trumbull st.
Charles Eben Bacon,	<i>Middletown,</i>	525 Chapel st.
Charles Loring Brace,	<i>Hastings, N. Y.</i>	90 High st.
Frank Elwood Brown,	<i>West Haven,</i>	West Haven.
William McCulloh Brown,	<i>Brookline, Mass.</i>	143 York st.
Will C. Browning,	<i>Norwich,</i>	90 High st.
Walter Cleveland Butler,	<i>New Haven,</i>	113 Olive st.
Lloyd Joseph Caswell,	<i>Norwich,</i>	125 High st.
John Henry Chapman,	<i>New York City,</i>	46 Elm st.
Sidney Williams Clark,	<i>Hartford,</i>	62 W. D. H.
John Moffat Cunningham,	<i>Poughkeepsie, N. Y.</i>	62 W. D. H.
Frederick Perkins Dewey,	<i>West Haven,</i>	8 Lock st.
George Cornwell Dunham,	<i>Southington,</i>	66 Bradley st.
John Sherman Fitch,	<i>New Haven,</i>	46 High st.
Stanley Forbes,	<i>San Francisco, Cal.</i>	144 Orange st.
Edward Livingston Ford,	<i>Buffalo, N. Y.</i>	48 College st.
Porter Dwight Ford,	<i>Washington,</i>	125 Dwight st.
Edward Jasper Francke,	<i>New York City,</i>	68 W. D. H.
Robert Jackson Gibson,	<i>New Haven,</i>	44 Edwards st.
Edward Gillette,	<i>New Haven,</i>	15 Columbus st.
Jack Hays Hammond,	<i>San Francisco, Cal.</i>	36 Elm st.
James Lawrence Houghteling,	<i>Chicago, Ill.</i>	36 Elm st.
Randell Hunt,	<i>New Orleans, La.</i>	36 Elm st.
Edward Hine Johnson,	<i>Brooklyn, N. Y.</i>	94 Grove st.
James Tewksbury Law,	<i>Tarrytown, N. Y.</i>	94 Grove st.
Thomas Howard Linsley,	<i>West Meriden,</i>	36 Elm st.
John Francis Luby,	<i>New Haven,</i>	21 Nash st.
Albert Sutton Macgregor,	<i>New York City,</i>	161 Temple st.
Max Mailhouse,	<i>New Haven,</i>	49 Meadow st.
Howard Meyer,	<i>New York City,</i>	35 College st.
Frederick Plumb Miles,	<i>Salisbury,</i>	64 W. D. H.
Hiram Allen Miller,	<i>New Haven,</i>	133 College st.
William Mayo Newhall,	<i>San Francisco, Cal.</i>	36 Elm st.
John Robert Paddock,	<i>Cheshire,</i>	88 Wall st.
William Beach Palmer,	<i>Bridgeport,</i>	61 W. D. H.
Edward Larned Ryerson,	<i>Chicago, Ill.</i>	36 Elm st.
William Babcock Sawyer,	<i>Buffalo, N. Y.</i>	191 Temple st.
Charles David Seeberger,	<i>Chicago, Ill.</i>	133 College st.

Andrew Gilbert Sheak,	<i>Binghamton, N. Y.</i>	525 Chapel st.
Gordon Edward Sherman,	<i>Morristown, N. J.</i>	36 Elm st.
Thomas Ewing Sherman, B.A. } Georgetown College.	<i>St. Louis, Mo.</i>	36 Elm st.
George Watson Smith,	<i>Chicago, Ill.</i>	36 Elm st.
LeGrand Smith,	<i>Chicago, Ill.</i>	36 Elm st.
Francis Augustus Terry,	<i>Lyme,</i>	71 W. D. H.
Frederick William Vanderbilt,	<i>New York City,</i>	35 College st.
Charles Williams Van Vleck,	<i>Cincinnati, O.</i>	37 College st.
Charles Alexander Watson,	<i>Hartford,</i>	90 High st.
David Agnew Weyer,	<i>Madison, Ind.</i>	169 Temple st.
Frederick Wood,	<i>Norwalk,</i>	
Thomas Yeatman,	<i>New Haven,</i>	36 Elm st.

SENIORS, 52.

## JUNIOR CLASS.

William Whittlesey Abbott,	<i>Yarmouth, Me.</i>	29 Prospect st.
William Henry Backus,	<i>Cleveland, O.</i>	65 W. D. H.
George Henry Bartlett,	<i>North Guilford,</i>	157 Church st.
Charles Coffing Beach,	<i>Hartford,</i>	159 Temple st.
Morris Burke Belknap,	<i>Louisville, Ky.</i>	14 Lock st.
Bernard Berens,	<i>Philadelphia, Pa.</i>	42 Grove st.
Arthur Lewis Betts,	<i>Norwalk,</i>	Westville.
Frank Lewis Bidwell,	<i>Kansas City, Mo.</i>	64 W. D. H.
John Edwards Buddington,	<i>Huntington,</i>	Huntington.
Lucien Lowber Burrows,	<i>Decatur, Ill.</i>	120 High st.
Herman Beardsley Butler,	<i>New York City,</i>	36 Elm st.
Joseph Gilbert Calhoun,	<i>Hartford,</i>	56 W. D. H.
Alfred Chapman,	<i>Bethel,</i>	99 Wall st.
Frederick Leonard Cowles,	<i>New Haven,</i>	632 Chapel st.
Henry Holbrook Curtis,	<i>New York City,</i>	251 Church st.
Judson Amos Doolittle,	<i>Cheshire,</i>	86 Wall st.
Wallace Bruce Fenn,	<i>New Haven,</i>	191 Church st.
Burr Kellogg Field,	<i>Germantown, Pa.</i>	157 George st.
Joachim John Francke,	<i>New York City,</i>	68 W. D. H.
William Edgar Gard,	<i>New York City,</i>	116 W. D. H.
Charles Cartledge Godfrey,	<i>Southport,</i>	41 College st.
John Elisha Morpeth Hall,	<i>Brooklyn, N. Y.</i>	46 York sq. pl.
William Torrence Handy,	<i>Cincinnati, O.</i>	159 George st.
William Stanley Hine,	<i>Bridgeport,</i>	Bridgeport.
Walter Holcomb,	<i>New Hartford,</i>	73 Trumbull st.
William Coe Holmes,	<i>Waterbury,</i>	153 Crown st.
Horace Cobb Howard,	<i>Townsend, Vt.</i>	8 Lock st.
Joseph Paxson Iddings,	<i>Orange, N. J.</i>	119 W. D. H.

Charles Maples Jarvis,	<i>Binghamton, N. Y.</i>	65 W. D. H.
Lawrence Kneeland,	<i>Brooklyn, N. Y.</i>	153 Crown st.
Elijah Thien Foh Laisun,	<i>Shanghai, China,</i>	226 Church st.
Frank Cooper Lawrance,	<i>New York City,</i>	488 Chapel st.
Alton Winslow Leighton,	<i>New Haven,</i>	137 Henry st.
Charles James Luck,	<i>Rouse's Point, N. Y.</i>	44 York sq. pl.
Ferrier John Martin,	<i>Orange, N. Y.</i>	70 W. D. H.
Charles Knox Mixter,	<i>Rock Island, Ill.</i>	116 W. D. H.
Charles Arthur Montjoy,	<i>Lambayaque, Peru,</i>	15 Home pl.
James Blair Murray,	<i>Norwich,</i>	125 Dwight st.
Samuel Lewis Penfield,	<i>Catskill, N. Y.</i>	58 Trumbull st.
Willard Nourse Pratt,	<i>Elmira, N. Y.</i>	48 College st.
Nathaniel Chapin Ray,	<i>West Haven,</i>	271 Chapel st.
Francis Rawlinson Read,	<i>Hartford,</i>	90 High st.
James Tracey Richards,	<i>Stratford,</i>	61 W. D. H.
Lucius Waterman Robinson,	<i>Fair Haven,</i>	255 Ferry st.
Thomas Weaver Rogers,	<i>Brooklyn, N. Y.</i>	8 Lock st.
Thomas Fitch Rowland,	<i>Greenpoint, N. Y.</i>	92 Chapel st.
Everett Rushmore,	<i>Mamaroneck, N. Y.</i>	161 Temple st.
James Alvin Scott,	<i>Naugatuck,</i>	1 Whalley av.
William Thompson Sedgwick,	<i>Farmington,</i>	4 Library st.
Charles Dwight Smith,	<i>Plantsville,</i>	133 College st.
George Smith,	<i>New Haven,</i>	164 Elm st.
Walter Snowdon Smith,	<i>Cincinnati, O.</i>	458 Chapel st.
Henry Ling Taylor,	<i>New York City,</i>	58 W. D. H.
Arthur John Tenney,	<i>New Haven,</i>	126 Crown st.
Allan Mason Thomas,	<i>Wickford, R. I.</i>	193 Temple st.
William Gilman Thompson,	<i>New York City,</i>	251 Church st.
John Abeel Weekes,	<i>New York City,</i>	161 Temple st.
Horace Lemuel Wells,	<i>New Britain,</i>	66 Bradley st.
James Harold Wickersham,	<i>Lancaster, Pa.</i>	165 Temple st.
David Willard Williams,	<i>Glastenbury,</i>	136 Crown st.
Albert Daniel Wilson,	<i>Newburgh, N. Y.</i>	42 Grove st.
George Leverett Wilson,	<i>West Killingly,</i>	8 Lock st.
Edwin Young,	<i>Honesdale, Pa.</i>	251 Church st.

JUNIORS, 63.

## FRESHMAN CLASS.

Frederick Innis Allen,	<i>Auburn, N. Y.</i>	35 High st.
William Day Allen,	<i>Hartford,</i>	84 Wall st.
Seymour Landon Alvord,	<i>West Winsted,</i>	193 Temple st.
John Pomeroy Bartlett,	<i>New Britain,</i>	88 Wall st.
John Luis Blackmore,	<i>City of Mexico, Mexico,</i>	40 Park st.
Edward Everett Brewster,	<i>West Cornwall,</i>	79 Chapel st.
Thomas Deloss Bristol,	<i>Harwinton,</i>	Fair Haven.
Fayette Williams Brown,	<i>Yonkers, N. Y.</i>	133 College st.
William Tyler Browne,	<i>Lisbon,</i>	175 George st.
Charles William Canfield,	<i>Hartford,</i>	81 Wall st.
Robert Williams Chapin,	<i>Springfield, Mass.</i>	162 York st.
William Grover Chapin,	<i>Somers,</i>	44 York sq.
Charles Samuel Churchill,	<i>New Haven,</i>	257 Franklin st.
Walter Linsley Cowles,	<i>Wallingford,</i>	432 Chapel st.
William Sidney Downs,	<i>Birmingham,</i>	Birmingham.
Charles Augustus Dwinelle,	<i>New York City,</i>	18 Grove st.
Edward Caldwell Earle,	<i>New Haven,</i>	214 Orchard st.
Levi Abraham Eliel,	<i>Chicago, Ill.</i>	523 Chapel st.
Augustus James Emery,	<i>Bangor, Me.</i>	547 Howard av.
Granger Farwell,	<i>Chicago, Ill.</i>	41 College st.
Oswin Hart Doolittle Fowler,	<i>North Haven,</i>	432 Chapel st.
Allan Murray Gale,	<i>New Haven,</i>	87 Trumbull st.
John Currier Gallagher,	<i>New Haven,</i>	21 Olive st.
Jonathan Godfrey,	<i>Southport,</i>	41 College st.
William Augustus Goodman,	<i>Cincinnati, O.</i>	464 Chapel st.
Cadmus Zaccheus Gordon,	<i>Brookville, Pa.</i>	8 Lock st.
Rodney Granger,	<i>Chicago, Ill.</i>	41 College st.
Leonard Vassall Greene,	<i>Norwich,</i>	134 College st.
Ralph Augustus Harman,	<i>Cleveland, O.</i>	114 College st.
Gerald Waldo Hart,	<i>New Britain,</i>	124 High st.
Walter Tillman Hart,	<i>New Haven,</i>	44 High st.
George Stewart Hegeman,	<i>Brooklyn, N. Y.</i>	156 York st.
Frank Eugene Hemingway,	<i>New Haven,</i>	122 Park st.
Charles Betts Hillhouse,	<i>New Haven,</i>	3 Hillhouse av.
Charles DeVilliers Hoard,	<i>Chicago, Ill.</i>	416 Chapel st.
Robert Samuel Hulbert,	<i>West Winsted,</i>	193 Temple st.
Thomas Mastin Jacks,	<i>Helena, Ark.</i>	8 Elm st.
Fred Beckwith Jillson,	<i>Whitehall, N. Y.</i>	83 Olive st.
Willard Drake Johnson,	<i>Washington, D. C.</i>	23 Prospect st.
John Philbrick Laffin,	<i>Chicago, Ill.</i>	114 High st.
Effingham Lawrence,	<i>New Orleans, La.</i>	464 Chapel st.
Edward Charless LeBourgeois,	<i>St. James Parish, La.</i>	464 Chapel st.
Charles Richard Lee,	<i>Kenosha, Wisc.</i>	31 E. D. H.
Arthur Lyman,	<i>Leominster, Mass.</i>	116 College st.
Elbert Baldwin Mann,	<i>Rochester, N. Y.</i>	15 Home pl.

Arthur Martin,	Orange, N. Y.	A.
George Webb Mason,	Orange, N. Y.	119 W. D. H.
Frank Peterson Mitchell,	Cincinnati, O.	84 Wall st.
James Philip Montjoy,	Lambayeque, Peru,	258 Orange st.
William James Perry Moore,	New Britain,	79 William st.
Frank Pierce Morrison,	Santa Clara, Cal.	61 Grove st.
Frank Tracy Watkins Palmer,	Chicago, Ill.	464 Chapel st.
Henry Grenville Parkin,	New York City,	84 Wall st.
Robert Wilson Patrick,	Omaha, Nebr.	531 Chapel st.
James Henry Pierce,	Santa Clara, Cal.	61 Grove st.
George Henry Potts,	Pittstown, N. Y.	133 College st.
William Eckhardt Raht,	Cleveland, Tenn.	8 Lock st.
Edward Townsend Reed,	Albany, N. Y.	15 Home pl.
Charles Theodore Richmond,	Johnsonville, N. Y.	83 Olive st.
Edward Kilbourn Roberts,	New Haven,	8 Brown st.
Harold Roorbach,	New York City,	12 Home pl.
Edward Hubbard Russell,	New Haven,	11 Wooster pl.
Rufus Henry Skeel,	Newburgh, N. Y.	23 Prospect st.
Edward Herndon Smith,	Brooklyn, N. Y.	133 College st.
William Annin Vliet,	Cleveland, O.	133 College st.
George Augustus Wall,	Providence, R. I.	162 York st.
Ebin Jennings Ward,	Chicago, Ill.	523 Chapel st.
Walter Watson,	Northampton, Mass.	90 Grove st.
Caryl Fenelon Seely White,	New Haven,	104 York st.
Eugene Benjamin Wilson,	Elizabeth, N. Y.	Millford.
Francis Dana Winslow,	Washington, D. C.	165 Temple st.
William Hopkins Young,	Poughkeepsie, N. Y.	161 Temple st.

FRESHMEN, 72.

## SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE.

Henry Staveley Andrews,	Sussex, England,	37 Clark st.
Francis Batcheller,	Boston, Mass.	30 Trumbull st.
Thomas Attwater Bostwick,	New Haven,	162 Olive st.
Frank Caldwell,	Carthage, O.	58 W. D. H.
Samuel Fessenden Clark,	Geneva, Ill.	58 N. S. H.
Clinton Hart Merriam,	Locust Grove, N. Y.	42 Whitney av.
Henry Pierce Morgan,	Woodbridge,	Woodbridge.
Arthur Edward Nichols,	Yonkers, N. Y.	165 Temple st.
George Leland Upham,	Yonkers, N. Y.	191 Temple st.
Thomas Alfred Vernon,	Brooklyn, N. Y.	205 Orange st.

SPECIAL STUDENTS, 10.



## SCHOOL OF THE FINE ARTS.

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### FACULTY.

REV. NOAH PORTER, D.D., LL.D., PRESIDENT.

JOHN F. WEIR, N.A., M.A., *Director.*

D. CADY EATON, M.A.

JOHN H. NIEMEYER, M.A.

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FREDERIC R. HONEY, *Instructor in Perspective.*

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Since the issue of the last College Catalogue thirty Special Students have entered this Department. In addition to these, seventy-one undergraduate students of the Sheffield Scientific School are receiving instruction in Drawing in the Art School.

## SUMMARY OF STUDENTS.

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THEOLOGICAL DEPARTMENT,	-	-	-	-	99
LAW DEPARTMENT,	-	-	-	-	76
MEDICAL DEPARTMENT,	-	-	-	-	42

### DEPARTMENT OF PHILOSOPHY AND THE ARTS:—

GRADUATE STUDENTS,	-	-	-	-	60
SPECIAL STUDENTS,	-	-	-	-	3
UNDERGRADUATE ACADEMICAL STUDENTS,					582
SHEFFIELD SCIENTIFIC SCHOOL,	-	-	-	-	224
					<hr/> 869
					<hr/> 1086
Deduct for names inserted twice,	-	-	-	-	35
					<hr/> 1051
Total,	-	-	-	-	



## GENERAL STATEMENT.

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The departments of instruction in YALE COLLEGE are comprehended under four divisions, as follows:

The Faculty of THEOLOGY,  
of LAW,  
of MEDICINE,  
of PHILOSOPHY AND THE ARTS.

Under the last-named Faculty are included, the COURSES FOR GRADUATE INSTRUCTION, the UNDERGRADUATE ACADEMICAL DEPARTMENT, the UNDERGRADUATE SECTION OF THE SHEFFIELD SCIENTIFIC SCHOOL, and the SCHOOL OF THE FINE ARTS—each having a distinct organization.

In the particular statements which follow, the Department of Philosophy and the Arts is first given, with its subdivisions in the order named; and afterwards the three Professional Departments.

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The legal designation of the Corporation is "THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN."

## DEPARTMENT OF PHILOSOPHY AND THE ARTS.



### Instruction for Graduates and Special Students.

Graduates of this and other Colleges, and other persons of liberal education (not less than eighteen years old), are received as students for longer or shorter periods, with or without reference to the attainment of a degree.

An Executive Committee, designated by the Faculty, has a general oversight of the students in this department. The Committee this year is composed of Professors Whitney, Newton, Brush, and Wheeler. They will receive and record the names of applicants for instruction, and judge and approve the courses of study proposed; and information may be obtained from them as to conditions, terms, etc. Students may also make special arrangements with any instructor according to their mutual convenience.

Instruction is given partly by lectures, partly by recitations and by oral and written discussions, partly by directing courses of reading, and partly by work in the laboratories and with instruments.

The terms and vacations correspond with those in the Undergraduate Departments. (See Calendar, p. 4.)

The fee for instruction in the Scientific School is \$150 a year; in the other sections of the Department generally \$100, or more or less, according to the course pursued and the amount of instruction received.

The degree of DOCTOR OF PHILOSOPHY is conferred upon those who, having already taken a Bachelor's degree, implying a course of undergraduate study equivalent to that pursued in the Academical Department, engage as students in this Department for not less than two years in assiduous and successful study. It is not given, upon examination, to those whose studies are pursued elsewhere. The requirements for it will in some cases exact of the student more than two years

of labor; so, especially, wherever the course of undergraduate study has been of less than four years. The candidate must pass a satisfactory final examination, and present a thesis giving evidence of high attainment in the branches of knowledge to which he has attended. A good knowledge of Latin, German, and French will be required in all cases, unless, for some exceptional reason, the candidate be excused by the Faculty. The graduating fee is ten dollars.

The courses of instruction given in the department may be grouped as follows:—

*I. Political Science, History, Philosophy, and English Literature.*

President PORTER will instruct in psychology and philosophy, in the history of philosophy, and in ethics.

Ex-President WOOLSEY will lecture on the principles of international law.

Professor BREWER will instruct in the relations of physical geography to political history.

Professor WHEELER will instruct in English history, from the beginning to the accession of Henry VII; also, from the revolution of 1688 to the accession of Victoria.

Professor WALKER will instruct in public finance and the statistics of industry.

Professor SUMNER will instruct in Constitutional Law, with lectures on the History of Politics and Finance in the United States; also, in Sociology.

Professor BEERS will instruct in the history of English literature.

*Philology.*

Professor THACHER will give instruction in such Latin authors as may be agreed upon.

Mr. J. H. TRUMBULL will instruct in the American Indian languages, especially the dialects of the Algonkin family.

Professor WHITNEY will instruct in the first year in the general principles of linguistic science, and in the second year in the comparative philology of the Indo-European languages. He will also teach the Sanskrit language, in a course of study extending through both years.

Professor PACKARD will instruct in special Greek authors and in the history of Greek literature.

Mr. VAN NAME will teach the elements of the Chinese and Japanese languages.

Professor LOUNSBURY will give instruction in the Anglo-Saxon language, and in the early forms and literature of English.

Professor COE will give instruction in Old French and Provençal.

Professor CARTER will instruct in the older Germanic languages and literature, including Gothic.

The Hebrew and other Semitic languages may be pursued under Professor DAY of the Theological Department, either in connection with his regular classes or otherwise.

### III. *Mathematical and Physical Science.*

For the instruction given to graduate and special students in the Sheffield Scientific School, see pages 62, 63. The courses there specified may be variously combined with those here announced, or the student may occupy himself in either section exclusively, according to his circumstances and plans.

Professor LOOMIS will teach meteorology, with especial reference to the making and reducing of meteorological observations.

Professor DANA will instruct in geology.

Professor NEWTON will instruct in the calculus, in analytical statics, and in the dynamics of a particle, in the lunar and planetary theories, and in the higher geometry.

Professor GIBBS will instruct in the laws of vibratory and undulatory motion, with especial reference to light and sound ; in the combination of observations by the method of least squares ; in the potential function, with its application to the theories of electricity and magnetism ; and in capillarity.

Professor A. W. WRIGHT will give instruction in physical manipulation, in the departments of heat, light, and electricity, with practical directions as to the management of apparatus.

Mr. E. S. DANA will give instruction in optical mineralogy and crystallography.

### IV. *Fine Arts.*

For the instruction given to graduate and special students in the School of the Fine Arts, see pages 71-74.

## UNDERGRADUATE ACADEMICAL DEPARTMENT.

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CANDIDATES FOR ADMISSION to the Freshman Class are examined in the following books and subjects:—

Latin Grammar—including Prosody.

Sallust—Jugurthine War; or four books of Cæsar.

Cicero—seven Orations.

Virgil—Bucolics, Georgics, and first six books of the *Æneid*.

Arnold's Latin Prose Composition, to the Passive voice (first twelve chapters.) [It is suggested to teachers, in addition to the use of the work named, to connect simple exercises in making Latin, either oral or written, with all the Latin studies of their pupils throughout the preparatory course.]

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Greek Grammar—including Prosody.

Xenophon—Anabasis, four books.

Homer—Iliad, three books.

Greek History.

The rules for pronunciation given in Hadley's Grammar are recommended as a guide.

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Higher Arithmetic—including the metric system of weights and measures.

Algebra—so much as is included in Loomis's Treatise, up to the chapter on Logarithms.

Euclid—first two books. [The first, third, and fourth books of Davies's Legendre's Elements of Geometry, or of Loomis's Elements of Geometry, may be offered instead of Euclid.]

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English Grammar and Geography; a thorough knowledge of which is required.

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Each student is required to pass an examination in the elements of either the French or the German language, before entering (in the Junior year) on the advanced study of the one of those languages which he shall elect to pursue. An opportunity is given for passing this examination, at the same time with the other examinations for admission; other opportunities will be given at the beginning of the Sophomore and Junior years.

In French, the requirements are, the rules and forms of Part I of Otto's Grammar (omitting the exercises), and two chapters of Fénelon's *Télémaque*.

In German, the requirements are, the paradigms and large type in Whitney's Grammar, and twenty-five pages of Whitney's Reader.

Equivalent amounts of French or German reading from other authors may be offered.



THE REGULAR EXAMINATION FOR ADMISSION is held at Graduates' Hall on the Friday, Saturday, and Monday following Commencement (June 30, July 1, 3, 1876): *attendance is required at the beginning of the examination, at 9 A. M. on Friday*; those candidates will be detained until Monday, whose examination cannot, for any reason, be finished on Saturday. The examination is partly oral and partly written; copies of papers recently given (covering the written portion of the examination) will be sent on application.

A second Examination (for those who cannot attend the first) is held at the beginning of the College year, on Tuesday and Wednesday (Sept. 12, 13, 1876): candidates for this examination must attend at Graduates' Hall at 9 A. M. on Tuesday.

Persons applying to be examined at other times must first obtain special permission from the Faculty, and pay to the Treasurer a fee of ten dollars. In general, no examinations for admission to the Freshman Class can be held in advance of the time above specified.

ADVANCED STANDING.—All candidates for advanced standing, *whether from other Colleges or not*, are examined, in addition to the preparatory studies, in those already pursued (see next page) by the Class which they purpose to enter. In the several languages, for the particular books studied by the Class, equivalent amounts may be offered from other books in the same language.

Bachelors of Arts or of Philosophy of any institution may join the Senior Class without examination, as candidates for the degree of Doctor of Philosophy; which degree will be conferred on such persons after three years' study.

No one can be admitted to the Senior Class after the beginning of the second term.

AGE.—No one can be admitted to the Freshman Class till he has completed his fifteenth year, nor to an advanced standing without a corresponding increase of age.

TESTIMONIALS.—Satisfactory testimonials of good moral character are in all cases required; and students from other Colleges must present certificates of dismissal in good standing.

BOND.—Every person must give to the Treasurer, on being admitted, a bond, executed by his parent or guardian, for five hundred dollars, as security for the payment of all charges arising under the laws of the College.

### Course of Instruction.

THE COURSE OF INSTRUCTION occupies four years. In each year there are three terms or sessions.

The following is a scheme of the studies, or, more correctly, of equivalents which will be accepted from candidates for advanced standing:—

#### FRESHMAN YEAR.

FIRST TERM.—*Greek*—Homer's *Odyssey*, begun. *Latin*—Livy, begun. *Mathematics*—Todhunter's *Euclid*; Loomis's *Algebra*.

SECOND TERM.—*Greek*—Homer's *Odyssey*, continued through four books; Herodotus, begun; Arnold's *Greek Composition*. *Latin*—Livy, continued through a hundred pages; Arnold's *Latin Composition*. *Mathematics*—Chauvenet's *Geometry*. *History*—Liddell's *Rome*.

THIRD TERM.—*Greek*—Herodotus, continued through half of the first book; Arnold's *Greek Composition*. *Latin*—Odes of Horace, three books; Arnold's *Latin Composition* (to page 150). *Mathematics*—Chauvenet's *Geometry*; Loomis's *Trigonometry*. *Rhetoric*—Recitations and Lectures. Compositions.

#### SOPHOMORE YEAR.

FIRST TERM.—*Greek*—Six Orations of Demosthenes. *Latin*—Satires and Epistles of Horace. *Mathematics*—Loomis's *Trigonometry*; Loomis's *Analytical Geometry*; Loomis's *Conic Sections*. *Rhetoric*—Lectures on Elocution, with practice. Declamations. Lectures on Composition. Compositions. Criticism.

SECOND TERM.—*Greek*—Prometheus of Æschylus; Xenophon's *Memorabilia*, one book. *Latin*—Cicero *de senectute* and *de officiis*; *Captivi* of Plautus. *Mathematics*—Loomis's *Trigonometry*. *Rhetoric*—Declamations. Compositions.

THIRD TERM.—*Greek*—Antigone of Sophocles; Plato's *Apology* of Socrates and *Crito*. *Latin*—Satires of Juvenal. *Mathematics*—Peck's *Mechanics*. *Rhetoric*—Declamations. Compositions.

#### JUNIOR YEAR.

FIRST TERM.—*Greek*—Plato's *Gorgias*, or two books of Arrian's *Anabasis*. *Mathematics*—(See Elective Studies, page 55). *Physics*—Ganot's *Physics*; *Mechanics*. *Rhetoric*—Morris and Skeat's *Specimens of Early English*. Craik's *History of English Literature*. Forensic Disputations. Lectures. *Logic*—Jevons's *Logic*.

SECOND TERM.—*Latin*—The *Adelphi* of Terence, the *Agricola* of Tacitus, and the *Octavius* of Suetonius. *French or German*. *Mathematics*—(See Elective Studies, page 55). *Natural Philosophy*—Ganot's *Physics*. Lectures. *Rhetoric*—Forensic Disputations.

THIRD TERM.—*Astronomy*—Loomis's *Astronomy*, to Chapter xii. *Physics*—Recitations and Lectures. *Greek*—Demosthenes on the Crown, or half a book of Thucydides. Lectures. *French or German*.

## SENIOR YEAR.

FIRST TERM.—*Mental Philosophy*—Porter's Human Intellect. Lectures. *Political and Social Science*—Fawcett's Political Economy. Lectures. *Astronomy*—Loomis's Astronomy, finished. *Rhetoric*—Compositions. Criticism. *History*—Guizot's History of Civilization. *Chemistry*—Lectures and Recitations.

SECOND TERM.—*Natural Theology and Evidences of Christianity*—Lectures. *Moral Philosophy*—Recitations and Lectures. *Geology*—Dana's Geology. *Rhetoric*—Compositions. *History*—Hallam's Constitutional History. Lectures on English History in xvi. and xvii. centuries. *Political and Social Science*—Lieber's Civil Liberty. Lectures. *Anatomy and Physiology*—Lectures.

THIRD TERM.—*History of Philosophy*—Schwegler's History. *Political and Social Science*—Woolsey's International Law. *Constitutional History*—De Tocqueville's Democracy in America. Lectures. *Constitution of the United States*—Lectures. *Languages and the Study of Language*—Lectures.

## LECTURES.

## FIRST TERM.

SENIOR CLASS.—*Intellectual Philosophy*—THE PRESIDENT. *Chemistry*—Professor WRIGHT. *Political Economy*—Professor SUMNER.

JUNIOR CLASS.—*History of Greek Literature*—Professor PACKARD. *History of English Literature*—Professor BEERS.

SOPHOMORE CLASS.—*Rhetoric*—Professor NORTHROP.

FRESHMAN CLASS.—*Hygiene*—Professor SANFORD.

## SECOND TERM.

SENIOR CLASS.—*Natural Theology and Evidences of Christianity*—THE PRESIDENT. *Moral Philosophy*—THE PRESIDENT. *Anatomy and Physiology*—Professor SANFORD. *History*—Professor WHEELER. *Political Philosophy*—Professor SUMNER.

JUNIOR CLASS.—*Natural Philosophy*—Professor LOOMIS.

## THIRD TERM.

SENIOR CLASS.—*Language and the Study of Language*—Professor WHITNEY. *History*—Professor WHEELER. *Elements of Jurisprudence, and American Constitutional Law*—Professor BALDWIN.

JUNIOR CLASS.—*Physics*—Professor WRIGHT.

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EXERCISES IN DECLAMATION AND COMPOSITION.—The Senior and Junior Classes have exercises in forensic disputation twice a week.

The Senior Class have exercises in English composition twice a week.

The Sophomore Class during the whole year, and the Freshman Class, during the third term, have exercises in English composition once a week.

The Sophomore Class have regular exercises in elocution; and once a week, during a part of the year, have an exercise in declamation before the Professor of Rhetoric and the members of the Class.

**ELECTIVE STUDIES.**—Those students who are desirous of pursuing the higher branches of the Mathematics, are allowed to choose the Differential and Integral Calculus, during the first two terms of Junior year, in place of the Greek or the Latin studies of those terms.

**PUBLIC EXAMINATIONS** are held at the close of the first and second terms, on the studies of the term; and, at the close of the year, on all the studies of the year. The annual examinations are conducted wholly in writing, and continue for about two weeks.

**VOCAL MUSIC.**—Gratuitous instruction in Vocal Music is given during a part of the year (the exercises being open to members of all the Departments of the College), subject, however, to a small charge for fire and lights.

### **Terms and Vacations.**

THE PUBLIC COMMENCEMENT is held on the Thursday after the last Wednesday in June.

The first term for the year 1875-76 begins eleven weeks from Commencement-day and continues fourteen weeks; the second begins on the first Thursday in January and continues thirteen weeks; the third begins ten weeks before Commencement-day. The intervening periods, of eleven, two, and two weeks, are assigned for vacations. (See Calendar, p. 4.) The exercises of each term begin with prayers in the Chapel on Thursday morning.

**LEAVE OF ABSENCE.**—No student is allowed to be absent without special leave, except in the vacations.

### **Public Worship.**

PRAYERS are attended in the Chapel every morning, with reading of the Scriptures and singing, and all the students are required to be present.

**PUBLIC WORSHIP** is held in the Chapel on Sunday, at which all the students are required to attend, except such as have special permission to attend the worship of other denominations, to which their parents belong. Such permission can be obtained only on presenting to the President a written request therefor from the parent or guardian.

### Gymnasium.

The Gymnasium is designed to provide all the students with opportunities for exercise. Those who use the bath-rooms pay a small fee for tickets.

### Expenses.

THE TREASURER'S BILLS are made out three times a year, and are delivered before the close of each term to the students, who are required to present them to their parents or guardians. The bills are payable at the close of the term; if not paid within two weeks after the beginning of the succeeding term, the student is liable to be prohibited from reciting.

The annual charge for tuition and incidentals is \$140.

For the rent and care of a half-room in the College buildings, the average charge is \$35 per year.

OTHER CHARGES.—There are additional charges at graduation, amounting to \$18. If a student occupies a room alone, the charge for rent and care is ordinarily double that stated above.

ABSENCE ON LEAVE.—A student who is absent from College on account of sickness, or for any other cause, and still retains his place in his class, pays full tuition during such absence.

BOARD.—Board is obtained at prices varying from \$4 to \$8 a week. The average price for the summer of 1875 was about \$6. Board may be obtained in clubs, at a lower rate than is common in boarding houses.

ROOMS.—There are at present in the College buildings about 220 rooms occupied by students, at prices varying (according to location) from \$25 to \$140 per year, not including vacations. Students living out of College are not allowed to room in any building in which a family does not reside, except by special permission of the Faculty.

FURNITURE, BOOKS, ETC.—Students provide for themselves furniture, fuel, lights, and text-books; if books and furniture are sold when the student has no further necessity for them, the expenses incurred by their use will not be great.

NECESSARY EXPENSES.—The following may be considered a near estimate of the *necessary* annual expenses, for a student occupying a half-room in College, without including apparel, traveling, and board in vacations:—

Treasurer's bill (according to location of room), from \$160 to \$220		
Board, 37 weeks, - - - - -	"	150 to 300
Fuel, lights, and washing, - - - - -	"	35 to 65
Use of text-books and furniture, - - - - -	"	30 to 65
Total, - - - - -		<u>\$375    \$650</u>

COLLEGE GUARDIAN.—As a precaution against extravagance, parents at a distance sometimes deposit funds with one of the Faculty; who, in that case, attends to the pecuniary concerns of the student, settles his bills, corresponds with the parent, and transmits an account of expenditures, for which services he charges a commission.

### Beneficiary Funds.

The sum of \$8,000 and upwards, derived partly from permanent charitable funds, is annually applied by the Corporation for the relief of students who need pecuniary aid, especially of those preparing for the Christian ministry. About eighty thus have their tuition either wholly or in part remitted. Students needing such aid should inform the Senior officer of the Class to which they belong, soon after entering College. Assistance will be withdrawn from students who incur serious College censure, or who fail to maintain a reputable scholarship.

THE HARMER FOUNDATION OF SCHOLARSHIPS comprises six scholarships, each yielding one hundred dollars a year, to be given to deserving students of small means.

There are also eighteen other Scholarships, most of them yielding sixty dollars a year, which may be given to such students as shall be selected by the founders or the Faculty.

Students who need to avail themselves of the use of the Benevolent Library are supplied gratuitously with many of the text-books used in the College course.

### Fellowships and Scholarships.

THE DOUGLAS FELLOWSHIP, with an income of at least six hundred dollars a year, was founded in 1873 by Mrs. Samuel Miller, of New Haven, and named in memory of her brothers, Rev. Sutherland Douglas (Y. C. 1822) and George H. Douglas (Y. C. 1828). The incumbent, who must be a recent graduate

of the Academical Department, pursuing non-professional studies in New Haven, is elected annually, but may not hold the Fellowship for more than three years.

THE SOLDIERS' MEMORIAL FELLOWSHIP, with an annual income of six hundred dollars, was founded in 1875 by Mrs. Theodosia D. Wheeler, of New Haven, in honor of the alumni who fell in battle as Union soldiers, in the war of 1861-1865, and in especial remembrance of William Wheeler, of the Class of 1855. The incumbent must be at the time of his election a graduate of the Academical Department of not more than three years' standing. He shall reside in New Haven, pursuing non-professional studies, and may hold the Fellowship for a period not exceeding five years.

THE BERKELEY SCHOLARSHIP, yielding about forty-six dollars a year, is awarded to the student in each Senior Class who passes the best examination in the Greek Testament (Pauline Epistles), the first book of Thucydides, the first six books of Homer's Iliad, Cicero's Tusculan Questions, Tacitus (except the Annals), and Horace; provided he remain in New Haven as a graduate, one, two, or three years.

THE CLARK SCHOLARSHIP, yielding one hundred and twenty dollars a year, is awarded to the student in each Senior Class who passes the best examination in the studies of the College course; provided he remain in New Haven one or two years immediately succeeding his graduation, pursuing a course of study (not professional) under the direction of the Faculty.

THE BRISTED SCHOLARSHIP, yielding over one hundred dollars a year, is awarded, whenever there is a vacancy, to the student in the Sophomore or Junior Class who passes the best examination in the Greek and Latin classics and mathematics. The successful candidate receives the annuity (forfeiting one-third in case of non-residence) until he would regularly take his second degree.

THE WOOLSEY SCHOLARSHIP, yielding sixty dollars a year, is awarded to the student in each Freshman Class, who passes the best examination in Latin composition (excellence in which is essential to success), in the Greek of the year, and in the solution of algebraic problems. The successful candidate receives the annuity, under certain conditions, during the four years of his College course. The student who stands second at this examination receives for one year the income of the

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HURLBUT SCHOLARSHIP; and the student who stands third, the income for one year of the THIRD FRESHMAN SCHOLARSHIP. The income of each of these Scholarships is \$60.

### Premiums.

THE DEFOREST PRIZE MEDAL, of the value of \$100, is awarded "to that scholar of the Senior Class who shall write and pronounce an English Oration in the best manner."

THE TOWNSEND PREMIUMS, five in number, each of twelve dollars, are awarded in the Senior Class for the best specimens of English composition.

THE SENIOR MATHEMATICAL PRIZES (the first consisting of a gold medal of the value of ten dollars and of ten dollars in money, the second of ten dollars in money) are offered to the Senior Class for the best solutions of problems in both abstract and concrete mathematics.

CLARK PREMIUMS are offered to the Senior Class, for the solution of problems in Practical Astronomy.

THE WINTHROP PRIZES (one of two hundred dollars and one of one hundred dollars) are offered to the Junior Class "for the most thorough acquaintance with the Greek and Latin poets," as shown at an examination during the third term.

THE SCOTT PRIZES for excellence in the Modern Languages are offered to the Junior Class; these prizes are two in number, of the value of thirty dollars each, and are given in books.

COLLEGE PREMIUMS are given in the Sophomore Class for English composition, and for declamation, and in the Sophomore and Freshman Classes for the solution of mathematical problems.

BERKELEY PREMIUMS for Latin Composition are offered to the Freshman Class near the beginning of the third term.

THE JOHN A. PORTER PRIZE, of two hundred and fifty dollars, is given at each Commencement for the best English Essay. Any person who has been studying for a degree in any department of the University during the entire College year may compete for this prize.

### Degrees.

The degree of BACHELOR OF ARTS is conferred by the Corporation on those persons who have completed the course of



academical exercises, as appointed by law, and have been approved on examination at the end of the course as candidates for the same. Candidates are required to pay their dues to the Treasurer as early as the Monday before Commencement.

The degree of MASTER OF ARTS is conferred on Bachelors of Arts of this College, of two years' standing or upwards, who have given to the Academical Faculty evidence of having made satisfactory progress in liberal studies after receiving their first degree.

Such evidence may be furnished, first, by one year's systematic study (not professional) in New Haven, under the direction and instruction of the Academical Faculty, followed by an examination. Bachelors of Arts of other Colleges are admitted without examination to any of the courses of graduate instruction; and after a course of resident study, may, on a satisfactory examination, be recommended for the Master's degree.

In the second place, such Bachelors of Arts of this College as may not choose to reside at the College for the prosecution of study, may, at any time not less than three years after graduation, show to the Academical Faculty, by their printed writings, or by submitting to special examinations, or by any other satisfactory evidence of a year's liberal study, that they are worthy of recommendation for this degree.

A suitable fee will be charged for examinations.

Candidates for this degree must give notice to the Secretary before the first of April.

## SHEFFIELD SCIENTIFIC SCHOOL.

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THE SHEFFIELD SCIENTIFIC SCHOOL is devoted to instruction and researches in the mathematical, physical, and natural sciences, with reference to the promotion and diffusion of science, and also to the preparation of young men for such pursuits as require especial proficiency in these departments of learning.

The School, begun in 1847, and reorganized upon a more extensive scale in 1860, received in 1864, by the act of the Connecticut Legislature, the national grant for the promotion of scientific education under the Congressional enactment of July, 1862. It thus became in consequence the "College of Agriculture and the Mechanic Arts" for Connecticut.

OFFICERS AND INSTRUCTORS.—In addition to the Governing Board (mentioned on p. 37), on whom devolves the internal management of the School, the following additional instructors are employed during the current year :—

ALBERT S. WHEELER, M.A., German; FREDERICK R. HONEY, Drawing; JOSEPH J. SKINNER, C. E., Mathematics; AUGUST H. EDGREN, PH.D., French; GEORGE W. HAWES, PH.B., Mineralogy; MANSFIELD MERRIMAN, C.E., Civil Engineering; HENRY A. HAZEN, M.A., Drawing; RUSSELL H. CHITTENDEN, PH.B., Physiological Chemistry; SAMUEL F. CLARK, Zoology; ALLEN B. HOWE, PH.B., Analytical Chemistry; SAMUEL F. CLARK, Zoology; CHARLES HILDEBRAND, PH.B., Mechanical Drawing; JULIAN KENNEDY, PH.B., Physics.

Instruction is given in Elementary and Free-hand Drawing by Professor NIEMEYER, of the Yale School of the Fine Arts; in Elocution by MARK BAILEY, M.A.

The Board of State Visitors consists of the Governor, Lieutenant-Governor, three senior Senators, and the Secretary of the Board of Education.

The Board of Councilors, invited by the Corporation to advise and assist in the progress of the School, are as follows :—Hon. J. E. ENGLISH, of New Haven; Hon. M. JEWELL, of Hartford; Hon. J. R. HAWLEY, of Hartford; Hon. O. F. WINCHESTER, of New Haven; JOSEPH E. SHEFFIELD, Esq., of New Haven;

Professor J. D. DANA, of New Haven; HENRY FARNAM, Esq., of New Haven; M. DWIGHT COLLIER, M.A., of St. Louis; Hon. WILLIAM E. DODGE, of New York City.

The instruction is intended for two classes of students:—

I.—Graduates of this or of other Colleges, and other persons qualified for advanced or special scientific study.

II.—Undergraduates who desire a training, chiefly mathematical and scientific, in part linguistic and literary, for higher scientific studies, or for other occupations to which such training is suited.

### Instruction for Graduate and Special Students.

Persons who have gone through undergraduate courses of study, here or elsewhere, may avail themselves of the facilities of the School for more special professional training in the physical sciences and their applications, gaining in one, two, or three years the degree of BACHELOR OF PHILOSOPHY, or, in two additional years of Engineering study, that of CIVIL ENGINEER or DYNAMIC ENGINEER.

Or, engaging in studies of a less exclusively practical character, they may become candidates for the degree of DOCTOR OF PHILOSOPHY, under the conditions already stated (see p. 48). The instruction in such cases will be adapted to the particular needs and capacities of each student, and may be combined with that given by the graduate instructors in other departments (see pp. 49, 50). Subjects likely to receive special attention are suggested as follows:—

Professor NORTON will instruct in applied mechanics and in spherical astronomy.

Professor LYMAN, in the use of meridional and other astronomical instruments, and in astronomical spectroscopy.

Professor TROWBRIDGE, in the principles of thermodynamics, and the artificial generation, transfer, and utilization of heat as a source of power.

Professor BRUSH, in the analysis and determination of mineral species, and in descriptive mineralogy.

Professor JOHNSON, in theoretical, analytical, and agricultural chemistry.

Professor BREWER, in agriculture and forest culture, in the use of the microscope, and in physical geography.

Professor CLARK, in definite integrals, differential equations, analytical mechanics, the theory of numerical approximations, and the method of least squares.

Professor EATON, in structural and systematic botany, including the North American flora and the description of genera and species.

Professor MARSH, in palæontology and comparative osteology.

Professor WALKER, in public finance and in the statistics of industry.

Professor ALLEN, in analytical chemistry, and in metallurgy.

Professor VERRILL and Professor SMITH, in zoology and geology.

The same courses of study are open, for a longer or shorter time, to graduate students who do not desire to become candidates for a degree.

The degrees of CIVIL and DYNAMIC ENGINEER are conferred on Bachelors who have taken the first degree in engineering study, and who pursue a higher course for at least two years, sustaining a final examination, and giving evidence of their ability to design important constructions and to make the requisite drawings and calculations.

SPECIAL STUDENTS.—For the benefit of those who, being fully qualified, desire to pursue particular studies without reference to the obtaining of a degree, special or irregular students are received in most of the departments of the School; not, however, in the Select Course, nor in the Freshman Class.

It should be distinctly understood that these opportunities are not offered to persons who are incompetent to go on with regular courses, but are designed to aid those who have received a sufficient preliminary education elsewhere to increase their proficiency in special branches.

### **Instruction for Undergraduate Students.**

TERMS OF ADMISSION.—Candidates must be not less than sixteen years of age, and must bring satisfactory testimonials of moral character from their former instructors or other responsible persons.

For admission to the Freshman Class the student must pass a thorough examination in the following subjects:—

*English Grammar*—including spelling and composition.

*History of the United States.*

*Geography.*

*Latin*—Six books of Cæsar's Commentaries, or their equivalent, and simple exercises in prose composition.

*Arithmetic*—including the Metric System.

*Algebra*—Davies' Bourdon, or Loomis's Treatise, as far as the general theory of equations ; or an equivalent.

*Geometry*—Chauvenet's Geometry ; or an equivalent.

*Trigonometry*—an equivalent to Loomis's Plane Trigonometry, or to the Plane and Analytical Trigonometry of Davies' Legendre. (In the examinations of 1877, Snowball and Lund's Course of Elementary Natural Philosophy will be required.)

The examinations for admission take place at North Sheffield Hall, on Friday and Saturday, June 30, July 1 ; and on Tuesday and Wednesday, September 12, 13, 1876. Opportunity for private examination may, in exceptional cases, be given at other times.

Candidates for advanced standing in the undergraduate classes are examined, in addition to the preparatory studies, in those already pursued by the class they purpose to enter. No one can be admitted as a candidate for a degree later than at the beginning of the Senior year.

COURSES OF INSTRUCTION, occupying three years, are arranged to suit the requirements of various classes of students. The first year's work is the same for all ; during the last two years the instruction is chiefly arranged in special courses.

The special courses most distinctly marked out are the following :—

- (a.) In Chemistry ;
- (b.) In Civil Engineering ;
- (c.) In Dynamic (or Mechanical) Engineering ;
- (d.) In Agriculture ;
- (e.) In Natural History ;
- (f.) In studies preparatory to Medical Studies ;
- (g.) In studies preparatory to Mining and Metallurgy ;
- (A.) In Select studies preparatory to other higher studies.

The arrangement of the studies is indicated in the annexed scheme.

#### FRESHMAN YEAR.—INTRODUCTORY TO ALL THE COURSES.

FIRST TERM.—*German*,—Whitney's Grammar and Reader. *English*,—Hadley's Brief History of the English Language ; Exercises in Composition. *Mathematics*,—Plane Analytical Geometry. *Physics*,—Atkinson's Ganot, with

experimental lectures. *Chemistry*,—Elliot and Storer's Manual: Laboratory practice. *Elementary Drawing*,—Practical Lessons in the Art School.

SECOND TERM.—*Language, Physics, Chemistry, and Drawing*,—As stated above. *Mathematics*,—Elements of the Theory of Numerical Approximations; Solution of Higher Numerical Equations; Methods of Interpolation. *Physical Geography*,—Lectures.

THIRD TERM.—*German and Physics*,—As stated above. *Mathematics*,—Analytical Geometry in Space; Spherical Trigonometry. *Botany*,—Gray's Lessons. *Polit. Economy*,—Elementary Lectures. *Drawing*,—Orthographic Projection.

For the Junior and Senior years the students select for themselves one of the following courses:—

#### (a.) IN CHEMISTRY.

##### JUNIOR YEAR.

FIRST TERM.—*Theoretical and Organic Chemistry*,—Lectures. *Qualitative Analysis*,—Fresenius. *Laboratory Practice. Blowpipe Analysis. German. French.*

SECOND TERM.—*Laboratory Practice*,—Qualitative Analysis, continued. Quantitative Analysis, begun. *Mineralogy*,—Blowpipe Analysis and Determination of Species. *Zoology*,—Lectures. *German. French.*

THIRD TERM.—*Laboratory Practice*,—Quantitative Analysis, continued. *Mineralogy*,—Lectures. *Zoology*,—Lectures and Excursions. *German. French.*

##### SENIOR YEAR.

FIRST TERM.—*Laboratory Practice*,—Volumetric and Organic Analysis. *Geology*,—Dana's. *Zoology*,—Lectures. Excursions. *French.*

SECOND TERM.—*Laboratory Practice*,—Mineral Analysis and Assaying. *Agricultural Chemistry*,—Recitations and Lectures (optional). *Geology*,—Dana's. *Metallurgy* (optional). *French. Zoology*,—Lectures.

THIRD TERM.—*Laboratory Practice. Preparation of Thesis. Agricultural Chemistry*,—Lectures (optional). *Geology*,—Dana's. *Metallurgy* (optional). *Mineralogy* (optional). *French. Zoology*,—Lectures.

#### (b.) IN CIVIL ENGINEERING.

##### JUNIOR YEAR.

FIRST TERM.—*Mathematics*,—Differential and Integral Calculus. Descriptive Geometry. *Surveying*,—Field Operations. *Drawing*,—Binns' Orthographic Projections. *German. French.*

SECOND TERM.—*Mathematics*,—Integral Calculus. Rational Mechanics. *Drawing*,—Projection of Shadows and Perspective. *German. French.*

THIRD TERM.—*Mathematics. Rational Mechanics. Descriptive Geometry. Warped Surfaces. Surveying*,—Topographical. *Drawing*,—Topographical. *German. French.*

## SENIOR YEAR.

FIRST TERM.—*Field Engineering*,—Laying out Curves. Location of line of Railroad, with calculations of Excavation and Embankment. Hencks' Field Book for Railroad Engineers. *Civil Engineering*,—Mahan's. *Stone Cutting*,—with graphical problems. *Geology*,—Dana's. *Mineralogy*,—Blow-pipe Analysis and Determinative Mineralogy. *Drawing*,—Architectural and Structural. *French*.

SECOND TERM.—*Civil Engineering*,—Resistance of Materials. Bridges and Roofs. Building Materials. *Astronomy*,—Loomis's Astronomy, with practical problems. *Mineralogy*,—continued. *Geology*,—Dynamic. *French*.

THIRD TERM.—*Civil Engineering*,—Bridges and Roofs. Stability of Arches and Walls. *Dynamics*,—Principles of Mechanism. Steam Engine. *Hydraulics*,—Hydraulics and Hydraulic Motors.

## (c.) IN DYNAMICAL ENGINEERING.

## JUNIOR YEAR.

FIRST TERM.—Analytical Geometry of three Dimensions. Differential Calculus. Descriptive Geometry. Instrumental Drawing. *German*. *French*.

SECOND TERM.—Differential and Integral Calculus. Instrumental Drawing. *German*. *French*.

THIRD TERM.—*Mechanics*. Binns' Second Course of Drawing, including drawing of gearing, perspective, shades and shadows, tinting, construction of warped surfaces, and isometric drawing. *German*. *French*.

## SENIOR YEAR.

FIRST TERM.—*Drawing*,—Construction of Machines from actual measurements in the shops. *General Theory of Motion*,—Applications of this theory to the motions of bodies, and to the motions of parts of machines. *General Theory of Gearing*,—Cams, connections by bands, links, cords, and hydraulic connections. General principles of trains of mechanism. Mechanical powers. Aggregate combinations in mechanism (Rankine). *Theory of Valve Motions* (Zeuner). *Applied Mechanics*,—Machinery and mill work. Dynamics of Machinery (Rankine), begun. *French*. *Geology*.

SECOND TERM.—*Applied Mechanics*,—continued. *Dynamics of Machinery*.—Theory of Machines.—Special applications of the Theory of Machines to problems involving the efficiency of machines and to special machines. *Materials used in construction*, their composition and qualities, iron, steel alloys, wood, animal substances. *Drawing* (construction of machines), continued. *Theory of Elasticity*,—Principles of construction of roof-trusses, beams, girders, and bridges. Principles relating to resistance to torsion of shafts, to shearing, and to stiffness and stability of structures. (Rankine.) *Heat*,—General principles. Application of principle of specific heat. Action of bodies under the influence of heat. Change of states of aggregation. Expansion. Applications of law of Mariotte and Gay Lussac. Gases. Vapors. Laws of expansion. Densities. Elastic force of gases and vapors. Quanti-

ties of heat. Latent heats of fusion and evaporation. *Combustion*,—Quantities of air required, nature of products, heat evolved. *Fuel*,—Kinds and quantities, Transfer of heat. *Description of Steam Generators*,—Principles of construction of steam generators. *Geology. French.*

THIRD TERM.—*Prime Movers in General*,—Animal mechanics, water powers, heat engines, regulators, dynamometers, valves, brakes, fly-wheels, governors, measurement of friction, &c. *Water Power Engines*,—Sources of water power, measurement of supply. Construction of conduits. Measurements of flow. Hydraulic press. Water pressure engines. *Water Wheels*,—Overshot, undershot, and breast wheels. Reaction wheels. Turbine wheels. Wind power. *Heat Engines*,—Principles of thermodynamics. Air engines. Steam engines. Efficiency of steam and air engines. Mechanism of steam and air engines. Drawing of structures. *Metallurgy.*

#### (d.) IN AGRICULTURE.

##### JUNIOR YEAR.

FIRST TERM.—*Theoretical and Organic Chemistry*,—Lectures. *Experimental and Analytical Chemistry*,—in their Agricultural applications. Laboratory Practice. *Physical Geography. Mineralogy*,—Blowpipe Analysis and Determinative Mineralogy. *English. German. French.*

SECOND TERM.—*Agricultural Chemistry*,—Recitations. *Experimental Chemistry*,—Laboratory Practice. *Physical Geography. Mineralogy.* Lectures. *English. German. French.*

THIRD TERM.—*Agricultural Chemistry*,—Lectures. *Horticulture and Kitchen Gardening*,—Lectures. *Experimental Chemistry*,—Laboratory Practice. *Botany and Zoology*,—with Excursions. *Mineralogy*,—continued. *English. German. French.*

##### SENIOR YEAR.

FIRST TERM.—*Agriculture*,—Cultivation of the Staple Crops of the Northern States. *Agricultural Zoology*,—Origin and Natural History of Domestic Animals. Insects useful and injurious to Vegetation. *Geology*,—Dana's. *English. French. Excursions*,—Agricultural, Botanical, etc.

SECOND TERM.—*Agriculture*,—Stock raising and principles of Breeding. *Geology*,—Dana's. *Human Anatomy and Physiology*,—Lectures. *English. French.*

THIRD TERM.—*Rural Economy*,—History of Agriculture and Sketches of Husbandry in Foreign Countries. Systems of Husbandry. *Geology*,—Dana's. *English.*

#### (e.) IN NATURAL HISTORY.

(Either Geology, Mineralogy, Zoology, or Botany may be made the principal study, some attention in each case being directed to the other three branches of Natural History.)



## JUNIOR YEAR.

FIRST TERM.—*Chemistry*,—Qualitative Analysis. Laboratory Practice. Recitations. *Mineralogy*,—Blowpipe Analysis and Determinative Mineralogy. *Botany*,—Gray's Text-book ; Use of the Microscope. *German. French.*

SECOND TERM.—*Zoology*,—Laboratory Practice. *Physiology*,—Huxley's. *Botany*,—Laboratory Practice ; Gray's Text-Book. *Mineralogy*,—Lectures. *Physical Geography. German. French.*

THIRD TERM.—*Zoology*,—Laboratory Practice. Lectures, Excursions (land and marine). *Botany*,—Practical Exercises, Excursions. *Mineralogy*,—continued. *German. French.*

## SENIOR YEAR.

FIRST TERM.—*Geology*, Dana's. Excursions. *Anatomy of Vertebrates*,—Huxley's. *Zoology*,—Laboratory Practice. Lectures. Excursions. *Botany*,—Herbarium Studies. Excursions. *Linguistics*,—Whitney's Language and the Study of Language. *French.*

SECOND TERM.—*Geology*,—Dana's. *Zoology*,—Laboratory Practice. Excursions. *Botany*,—Herbarium Studies. Botanical Literature. Essays in Descriptive Botany. *Linguistics*,—Whitney's Language and the Study of Language. *French.*

THIRD TERM.—*Geology, Zoology, and Botany*,—continued, with Excursions. *Meteorology. French.*

Besides the regular courses of recitation and lectures on structural and systematic Zoology and Botany, and on special subjects, students are taught to prepare, arrange, and identify collections, to make dissections, to pursue original investigations, and to describe genera and species in the language of science. For these purposes, large collections in Zoology and Palæontology belonging to the College are available, as are also the private botanical collections of Professor Eaton.

## (f.) IN PREPARATION FOR MEDICAL STUDIES.

During the Junior year, the work of this course will be chiefly under the direction of the instructors in Chemistry. Especial attention will be given to qualitative and quantitative analysis, in their physiological and medical bearings ; and to the preparation and study of the organic proximate elements. In the Senior year, the work will be chiefly under the direction of the Professors of Zoology and Botany. Attention will be paid in Zoology to comparative anatomy, embryology, the laws of hereditary descent, and human parasites ; and in Botany to a general knowledge of structural and physiological Botany, and to medicinal, food-producing, and poisonous plants. The order of studies is as follows :

## JUNIOR YEAR.

FIRST TERM.—*Chemistry*,—Qualitative Analysis, Fresenius'. Laboratory Practice. Recitations. *Mineralogy*,—Blowpipe Analysis and Determinative Mineralogy. *German. French.*

SECOND TERM.—*Physiological Chemistry*,—Klein's Handbook. Laboratory Practice. Recitations. *Physiology*,—Huxley's. *Mineralogy*,—continued. *German. French.*

THIRD TERM.—*Physiological Chemistry*,—Klein's. Laboratory Practice. Recitations. *Zoology*,—Lectures and Excursions. *Botany*,—Lectures, Practical Exercises and Excursions. *Mineralogy*,—continued. *German. French.*

#### SENIOR YEAR.

FIRST TERM.—*Comparative Anatomy and Physiology*,—Laboratory Practice. *Anatomy of Vertebrates*,—Huxley's. *Botany*,—Practical Exercises, Lectures, and Excursions. *Geology*,—Dana's. *Zoology*,—Lectures and Excursions. *French.*

SECOND TERM.—*Comparative Anatomy and Systematic Zoology*,—Lectures. Laboratory Practice. *Botany*,—Lectures. Laboratory Practice. *Geology*,—Dana's. *French.*

THIRD TERM.—*Comparative Anatomy and Physiology*,—Laboratory Practice. *Zoology, Botany, and Geology*,—continued, with Excursions.

#### (g.) IN STUDIES PREPARATORY TO MINING AND METALLURGY.

Young men desiring to become Mining Engineers, can pursue the regular course in Civil or Mechanical Engineering, and at its close can spend a fourth year in the study of metallurgical chemistry, mineralogy, etc.

#### (h.) IN THE SELECT STUDIES PREPARATORY TO OTHER HIGHER STUDIES.

#### JUNIOR YEAR.

FIRST TERM.—*Mineralogy*,—Blowpipe Analysis and Determinative Mineralogy. *Astronomy. Physical Geography. English*,—Early English. *History*,—Freeman's Outlines. *French. German.*

SECOND TERM.—*Mineralogy*,—Lectures. *Astronomy. Physical Geography. English*,—Chaucer, Shakespeare. *History*,—Freeman's Outlines, with Lectures. *German. French.*

THIRD TERM.—*Botany and Zoology*,—Lectures and Excursions and Laboratory Practice. *English*,—Shakespeare. *Political Economy*,—Walker's Science of Wealth. *German. French.*

#### SENIOR YEAR.

FIRST TERM.—*Geology*,—Recitations and Excursions. *Botany*,—Lectures, Excursions and Laboratory Practice. *Zoology*,—Lectures and Excursions. *Linguistics*,—Whitney's Language and the Study of Language. *English*,—Shakespeare. *History*,—Constitutional History of the United States. Lectures. *Political Economy*,—Lectures. *French.*

SECOND TERM.—*Geology and Zoology*,—continued. *Linguistics*,—Whitney's Language and the Study of Language. *Political Economy*,—Lectures. *English*,—Shakespeare and Milton. *History*,—Political History of the United States. Lectures. *French.*

THIRD TERM.—*Geology*,—Recitations and Excursions. *Zoology*,—Lectures. *Meteorology*. *English*,—Dryden and Pope. *History*,—Lectures. History of Europe since 1848. *Political Economy*,—Lectures.

Exercises in English Composition are required during the entire course from all the students. The preparation of graduating theses is among the duties of the Senior year.

Lectures on Military Science and Tactics are annually given.

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TERMS AND VACATIONS.—The terms and vacations correspond with those of the Academical Department. (See Calendar, p. 4.)

EXPENSES.—The charge for tuition is \$150 per year, payable \$55 at the beginning of the first and of the second terms, and \$40 at the beginning of the third term. The special student of Chemistry has an additional charge of \$70 per annum for chemicals, and use of apparatus. He also supplies himself at his own expense with gas, flasks, crucibles, etc., the cost of which should not exceed \$10 per term. An additional charge of \$5 is annually made to each student for the use of the College Reading Room and Gymnasium.

FEES.—For graduation as BACHELOR OF PHILOSOPHY, \$10; unless the person taking the degree is also an academical graduate, when the fee is but \$5. For CIVIL or DYNAMIC ENGINEER, \$5. For DOCTOR OF PHILOSOPHY, \$10.

### Degrees.

BACHELOR OF PHILOSOPHY.—The degree of Bachelor of Philosophy is conferred on those who have completed one of the three-year courses in the SHEFFIELD SCIENTIFIC SCHOOL, and have passed the examination at its close.

CIVIL AND DYNAMIC ENGINEER.—See page 63.

DOCTOR OF PHILOSOPHY.—See page 48.

## SCHOOL OF THE FINE ARTS.

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THE COUNCIL of this Department consists of the following *ex-officio* members:—the President of the College, the President of the National Academy of Design, the President of the New York Museum of Art, and the Director of the School, who is also the Secretary; together with four regularly appointed Councillors, Mr. HENRY FARNAM, Mr. DONALD G. MITCHELL, Mr. EDWARD E. SALISBURY, and Mr. JOHN D. WHEELER.

THE FACULTY, on whom devolves the internal management of the School, consists of the President of the College, and the Professors, whose names and departments of instruction are as follows:—JOHN F. WEIR, Professor of Painting, and Director of the School; D. CADY EATON, Professor of the History of Art; JOHN H. NIEMEYER, Professor of Drawing. (The chairs of Sculpture, Architecture, and Anatomy are unfilled.) FREDERICK R. HONEY, Instructor in Geometry and Perspective.

The School has for its end the cultivation and promotion of the Arts of Design, viz: PAINTING, SCULPTURE, and ARCHITECTURE, both in their artistic and æsthetic aims, through practice and criticism. The aim is—

1st. To provide thorough technical instruction in the Arts of Painting, Sculpture, and Architecture.

2d. To furnish an acquaintance with all branches of learning relating to the History, Theory, and Practice of Art.

The Courses of Instruction provided under these heads—of Practice and Criticism—may be regarded as distinct, and adapted to the special aims of either professional students or amateurs; or correlative, embracing that practical and theoretical knowledge of art which is no less desirable for the critic than for the artist.

The course of technical instruction, covering three years, is arranged as follows:\*

### *First Year.*

DRAWING—from the flat: from the antique: from the living model.

PERSPECTIVE—descriptive geometry: shadows and linear perspective: applications and examples.

LECTURES—the elements of form: principles of proportion.

\* No provision has yet been made for instruction in the departments of Sculpture and Architecture, but it is hoped that before long this will be provided

*Second Year.*

DRAWING—technical discipline: studies from the living model.

ANATOMY—the bones and articulations of the skeleton: the muscles and movements of the body: the anatomy of external forms.

PAINTING—technical discipline: studies from casts and still-life.

*Third Year.*

PAINTING—technical practice: studies from the living model.

COMPOSITION—studies in color and chiaroscuro: design.

LECTURES—on the history, theory, and practice of art.

In the departments of Drawing and Painting the practice of the studio is based upon the study of the human form.

In DRAWING, the manipulation of the stump and crayon is first acquired by drawing from the Flat. The student then enters upon the study of form by drawing from the Round. After the practice of drawing from the antique, the student, if qualified, enters the Life class, and continues the study of the living model until admitted to the class in painting. The practice in drawing is supplemented with lectures on Form and Proportion.

In PAINTING, the student first acquires the use of the brush and pigment by simple studies from casts. The consideration of form and modeling remains prominent. Painting from casts merely substitutes the brush for the stump, with right methods of acquiring the use of pigment, which advances gradually to the complexities of color by those methodical steps which constitute the grammar of art. After this discipline the remainder of the course is devoted to studies from the Life. The practice in painting is supplemented by lectures on Color, Chiaroscuro, and Composition.

Drawing is continued, without interruption, through the first half of the course, or until the student evinces that proficiency which will warrant advancement. Painting is continued through the remainder of the course. Students will be encouraged to remain in the school and pursue advanced studies after the three years' course is completed.

In PERSPECTIVE, instruction is given in the form of lectures; but students will be required to work out the examples, or problems, and submit them for examination at the next meeting of the class. The subject has three divisions: the first is devoted to descriptive geometry and its application to projection drawing; the second to shadows and linear perspective;

and the third to applications and problems. At the close of the course an examination is held, and the standing of the student determined.

In ANATOMY, instruction is likewise given in the form of lectures. This subject has also three divisions: the first is devoted to the bones and articulations of the skeleton; the second to the muscles and movements of the body; and the third to the anatomy of external forms. Students are required to draw, in detail, the parts under discussion by the lecturer, and submit the same, for examination, at the next meeting of the class. At the close of the course the relative standing of the pupils is determined by examination.

COURSES OF LECTURES are provided in each department of instruction in addition to the technical discipline. A course of public evening lectures is also given, during the winter. These lectures, on the History and Philosophy of Art, are illustrated with photographic examples of painting, sculpture, and architecture, thrown upon a screen by the calcium light. The attendance of the students, on all the lectures, is obligatory.

PRIZES may be competed for, both in Drawing and Painting, at the close of the courses provided in these respective departments; but the necessary qualification includes, in drawing, an approved knowledge of perspective; and in painting, a requisite acquaintance with anatomy—as provided for by the instruction given in these branches.

DIPLOMAS are only accorded to those who remain through the full course, or pass the requisite examinations. If qualified, the student may enter advanced classes at once.

The CHARGE FOR TUITION is \$36 a quarter, *in advance*; and no student will be admitted for less than three months. Art-students are admitted *free* to all the lectures delivered in the school, whether public lectures or those in regular course; to the collections at all times; and are entitled to such privileges, under the usual restrictions, as are granted to students in all other departments of the College.

The School is open to both sexes, but no student will be admitted under fifteen years of age.

The ART LIBRARY will be open at specified hours for the use of students.

The COLLECTIONS embrace the "Jarves Gallery of Italian Art," numbering one hundred and twenty paintings, dating

from the 11th to the 17th centuries; the "Trumbull Gallery" of original portraits and other works, by John Trumbull, numbering fifty-four pictures; a collection of portraits and works of contemporaneous art, numbering about seventy-five pictures; together with about one hundred and fifty casts and marbles, the former from many of the best productions of ancient art. In addition to the collections belonging to the School, a Loan Exhibition is organized annually, previous to the College Commencement, and continues open for six months. These loan exhibitions have, through their general excellence, contributed materially to the objects of the School by affording opportunity for studying the representative works of contemporaneous art. The Collections are open daily for the use of students, and to the public, during the winter, from 1 to 4 P. M.; and during the summer, when a special loan exhibition is organized, from 9 A. M. to 6 P. M. The proceeds of the exhibitions are applied to the purchase of material adapted to instruction, and to the incidental expenses of the School.

"Students' Season Tickets," at \$2 each, admitting the holders to the Exhibitions throughout the year, are furnished to students of all other departments of the College.

The Art School occupies a large and beautiful building, erected for this object by the late Augustus Russell Street, of New Haven, containing commodious galleries well adapted to the purpose of an Art Museum, and for lectures; drawing, painting, and modeling rooms, designed for the instruction of classes; also library rooms and studios.

This department of the college is open to all who desire to avail themselves of its instructions, without restriction, save as to age and general good character. It aims to embrace a wide field of usefulness in connection with the knowledge and promotion of art, and to offer every facility to the student both in the way of criticism and technical discipline.

The course of study, as at present constituted, embraces only that instruction which the school is now adequately prepared to furnish practically and efficiently: this is subject to expansion with the growth of the means at the disposal of the Faculty.

All applications for admission to the school should be made through the Director. It is particularly desirable that these applications be made before October 1st.

## THEOLOGICAL DEPARTMENT.

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THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Lecturer on Church Polity and American Church History, a Professor of Systematic Theology, a Professor of Hebrew Literature and Biblical Theology, a Professor of Homiletics and the Pastoral Charge, a Professor of Ecclesiastical History, and a Professor of Sacred Literature.

CONDITIONS OF ADMISSION.—The conditions of entrance are membership in some evangelical church, or other satisfactory evidence of Christian character, and a liberal education at some College, or such other literary acquisitions as may be considered an equivalent preparation for theological studies. Students of every Christian denomination, in case they are possessed of these qualifications, are admitted.

It is expected that every student will be promptly on the ground at the beginning of the session. Rooms are assigned in the order of application, but no room will be reserved for any applicant who neglects to appear, beyond one week after the opening of the term.

COURSE OF INSTRUCTION.—The regular course occupies three years, and is arranged in the following order :—

### JUNIOR YEAR.

Professor DAY will lecture on the Encyclopedia and Literature of Theology, and give instruction in Hebrew Grammar and Philology. Portions of the historical books of the Old Testament in the original will be carefully read and analyzed, and critical and exegetical dissertations presented by the class on points of special difficulty or importance.

Professor DWIGHT will give instruction in the exegetical study of the Greek New Testament. The course includes, in addition to the regular exegetical exercises, the critical investigation of the Greek text and the study of the subjects connected with the Introduction to the New Testament. Dissertations of a critical and exegetical character will, also, be prepared by the students and discussed in the presence of the class.

Professor HARRIS will lecture on Mental Philosophy with special reference to the study of Theology ; also on Natural Theology, the Evidences of Christianity, and the Inspiration of the Scriptures ; also, as incidental to these topics, on the various forms of Skepticism.



## MIDDLE YEAR.

Professor HARRIS will lecture on Systematic Theology. This course will include a full and systematic investigation of the doctrines of Christianity, and of existing questions and controversies in respect to them. The lectures are accompanied by examinations and free discussions.

Professor FISHER will lecture on General Church History, including the following topics; an historical survey of the Old or Preparatory dispensation in its relation to Christianity; the establishment and spread of Christianity (including Missions and Persecutions); Ecclesiastical Polity (including the rise and rule of the Papacy, and the Reformation); and the history of Christian Life and Worship.

Professor DAY will give instruction in Biblical Theology, with special reference to the progressive stages of Divine revelation, and the doctrinal results of the modern critical study of the Bible. He will also lecture on portions of the Hebrew Scriptures, especially the poetical and prophetic books.

Professor DWIGHT will continue to give instruction by lectures and recitations, in the exegetical study of the New Testament, especially the Pauline Epistles.

Dr. BACON will lecture on American Church History.

## SENIOR YEAR.

Professor HOPPIN will lecture on Sacred Rhetoric and Homiletics, and also on Pastoral Theology, including the office, qualifications, pastoral duties, and special work of the ministry; he will also take charge of the practical exercises in Preaching, and in the criticism of the style and delivery of Sermons.

Professor FISHER will lecture on the history of Christian Doctrine and on Symbolical Theology, and students will be aided in pursuing historical investigations for themselves.

Dr. BACON will give a series of lectures on Church polity, with special reference to the polity and discipline of the Congregational Churches.

Professor DWIGHT will lecture on some topics of special interest connected with the different books of the New Testament.

Professor DAY will read, with those who wish to prosecute the study of Syriac, the Peshito version of the New Testament.

*Optional Studies in either Year.*

Professor DAY will read, free of charge, with those students who desire to become familiar with the theological literature of Germany and have made some progress in the language, some standard work in German on Christian doctrine, with critical remarks, and references to the ablest works on special topics. The grammatical study of the language may be pursued with the classes in the Sheffield Scientific School.

Professor WHITNEY will give instruction to those who desire it in Sanskrit. Instruction in vocal music is given gratuitously to students who desire it. (See p. 55.)

The following courses of lectures in the Academical Department may be attended, free of charge, provided that they do not interfere with the regular

studies of the Seminary: on *Intellectual and Moral Philosophy*, by President PORTER; on *Natural Philosophy*, by Professor LOOMIS; on *History*, by Professor WHEELER; on *Political and Social Science*, by Professor SUMNER; on *Anatomy and Physiology*, by Professor SANFORD. Students may also be admitted to the various courses of lectures in the Sheffield Scientific School. Those who intend to become Foreign Missionaries have the privilege of attending gratuitously the lectures in the Medical Department.

**EXERCISES IN PUBLIC SPEAKING.**—There will be an exercise for all the classes, in the presence of the Faculty, once in two weeks, in the reading of the Scriptures and hymns, and in the delivery of sermons, or parts of sermons, or addresses. Every alternate week there will be a conference, designed to cultivate the power of *extemporaneous speaking*, in which the students will be called on to present their views on some subject selected by the Faculty. Weekly debates are also held by the students, in societies of their own.

Instruction in Elocution will be given by Mr. BAILEY, the Instructor in the Academical Department.

**LICENSE TO PREACH.**—The regular time for applying for a license is at the close of the second year's study, before which time members of the Department are not allowed to preach.

**PUBLIC WORSHIP.**—Prayers are attended every morning in the MARQUAND Chapel, with reading of the Scriptures and singing. It is optional with the student whether to connect himself with the College Church, or with one of the City churches; but whatever may be his decision, it is hoped that he will actively engage, so far as may not be inconsistent with the prosecution of his studies, in some form of City Mission, Sabbath School, or other benevolent labor, for which constant opportunities are offered.

**LIBRARIES.**—The Reference Library of the School, containing nearly two thousand volumes in various languages, and established through the liberality of Mr. Henry Trowbridge, of New Haven, is placed in the East Divinity Hall. It is designed to furnish the students with the standard and most recent books in every branch of theological literature and those most frequently called for in the pursuit of their studies. It is open daily for consultation, and thus takes the place for each student of a well selected and extensive private library.

The valuable Library of Church Music, belonging to the late Dr. Lowell Mason, has been recently given to the Department by his family. This Library, which is placed in the West Divinity Hall, and is one of the largest of the kind in the country, will be open for the use of students.

The College Library, to which the students have access without charge, contains over 75,000 volumes, and is open five hours on every secular day for consultation and for the drawing of books.

The library of the College literary Societies, containing about 19,000 volumes in general literature, is accessible to theological students.

PHYSICAL EXERCISE.—The College Gymnasium is open to the students of this Department at a small charge. The harbor of New Haven affords excellent facilities for boating, to those inclined to this mode of exercise.

ROOMS.—The rooms in the two DIVINITY HALLS are provided with carpets, beds, bedding, and every necessary article of furniture. They will be assigned to new students in the order of application. A few rooms have two bedrooms attached to them, but, in general, provision is made for each student to room alone. The buildings are warmed throughout by steam, and lighted by gas. Bath-rooms and other conveniences are placed on every floor. The buildings are thoroughly ventilated on an approved system.

EXPENSES AND PECUNIARY AID.—Students have only to make pecuniary provision for about eight months of study annually. In the remaining four months of vacation, from May to September, they have the opportunity of engaging in Home Missionary or other labor, with remuneration for their services.

The expenses for the annual session are \$4 to \$5 a week for board; \$15 to \$28 for fuel and lights; and \$10 a year for care of room and other incidental expenses. There is no charge for instruction, room rent, or use of Libraries.

Students whose circumstances require it, will receive \$100 a year from the income of Scholarships and other funds belonging to the Department. Additional aid to the amount of \$100 annually is afforded by the American Education Society to its beneficiaries. In special cases additional aid towards the expense of board will be given. These means of assistance fully cover all the expenses mentioned above.

The Scholarships belonging to the Department bear respectively the names of James Hillhouse, William Leffingwell, George E. Dunham, Normand Smith, E. E. Salisbury, Thomas R. Trowbridge, Charles Atwater, Richard Borden, Samuel

Holmes, Charles Nichols, Roland Mather, Noah Porter, John DeForest, J. R. Beadle, David Root, Mary Goodman, Orin Fowler, and Edward Bull.

After the close of the second year in May, students have frequent opportunities to receive remuneration for preaching in the neighboring churches.

In general it may be said, that sufficient aid will be provided for every young man who gives promise of usefulness in the ministry, to enable him, in connection with his own efforts, to complete a course of theological study.

COMMENCEMENT OF THE TERM, VACATION, ETC.—The session for 1875-76 began on Thursday, Sept. 16, and will continue till the third Thursday in May, when the public Anniversary is held. The annual examination of the classes, and the meeting of the Alumni, are held in the same week. The next annual term will begin on Thursday, September 14, 1876.

By thus throwing all the vacations into one, the most favorable season of the year is secured for study, while the opportunity is given, in the four months' vacation, to engage in some form of benevolent labor, in connection with the mission efforts of the churches, or in the service of one of the benevolent societies, by which the practical experience required of the pastor, as well as pecuniary compensation, may be obtained. Should any students prefer to spend the vacation in theological reading, the Professors will counsel them in the choice of books.

DEGREE.—The degree of Bachelor of Divinity is conferred on all members of the Department who at the end of the Senior year pass the prescribed examination, and present an approved thesis on some topic in theology.

## MEDICAL DEPARTMENT.

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THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Chemistry and Toxicology, a Professor of Obstetrics and the Diseases of Women and Children, a Professor of Materia Medica and Therapeutics, a Professor of Histology, Pathology, and Microscopy, a Professor of the Theory and Practice of Medicine, a Professor of Surgery, a Professor of General and Special Anatomy and Physiology, and a Lecturer on Insanity.

The course of study is divided into two Terms in each year, a Spring Term and a Winter Term.

In the Spring Term, instruction is given by recitations and lectures. In this Term the students are classified, so that those who are just entering on the study are taught during their *first* year only the more elementary branches; while the studies of the *second* year include the more practical branches. Provision is made for students attending a *third* year, to review the studies of the entire course, with the addition of such collateral branches and advanced courses of reading as the necessities or attainments of individual pupils may require. Two or more recitations are held daily.

The instruction in the Winter Term is conducted by means of Public Lectures, with daily examinations, illustrated by Hospital Instruction, Medical and Surgical Clinics, with abundant facilities for Anatomical Dissections.

While the studies of each of these terms are independent and so far complete in their parts that they may be pursued separately with profit, yet they are designed to be so related to each other, that together they make a full and rounded curriculum of proportional study. In no way can the student more easily and naturally acquire a clear and comprehensive knowledge of the medical sciences in their present advanced position, than by taking these courses in connection, and pursuing his studies at the College for the entire period of three years.

The Spring Term will begin March 2, 1876, and continue to the Annual Commencement, June 29. The Winter Term for 1876, being the *Sixty-fourth Annual Course of Lectures*, will begin October 19, and close February 15, 1877.

A SURGICAL CLINIC is held at the College at 12 M., every Wednesday in the year, and a Medical Clinic at 3 P. M., every Friday. Clinics are also given at the State Hospital, weekly. The recently completed Hospital buildings have largely increased the facilities for Clinical instruction.

THE COLLEGE BUILDING is new and commodious, provided with every convenience, and within a short distance of the State Hospital.

DISSECTING ROOMS.—The spacious and well-appointed Dissecting Rooms are amply supplied with anatomical material at a reasonable charge, under the personal direction of the Demonstrator.

MICROSCOPY, HISTOLOGY, AND PATHOLOGY are illustrated by a sufficient number of compound microscopes and a large collection of the best preparations. It is believed that no institution in this country furnishes the student greater facilities for acquiring exact knowledge in this department.

CHEMISTRY.—The chemical instruction in each term is intended to supplement that given in the other. In the Winter Term, lectures, fully illustrated by experiments are given upon General Chemistry during the first half of the term; and upon Organic and Physiological Chemistry (including the Chemistry of the urine) and Toxicology during the second half. In the Spring Term, Theoretical Chemistry is taught by recitation, and Practical Chemistry by Laboratory work. The Junior Class work in Elementary Qualitative Analysis; the Middle Class students in advanced Analysis, including the examination of drugs, the urine, calculi, etc. These exercises consist of two hours' daily work. The Senior Class are taught to make original researches in Physiological Chemistry.

THE MUSEUM contains a large collection of natural and morbid specimens, as well as of casts, models and plates, and is, together with the collections in Natural History, the Mineralogical Cabinet, Cabinet of Materia Medica and Libraries of the University, and the Library of the Medical College, open for the use of students.

PREPARATORY EDUCATION.—The Legislature of Connecticut, recognizing the principle that a regular collegiate education forms the proper basis for the study of medicine, has provided, in the Charter of the College, that a difference of one year in

the period of study required for a degree, shall be allowed in favor of those who are graduates of Colleges, over those who begin their professional studies without the advantages of a thorough course of preparatory study and mental discipline.

**REQUIREMENTS FOR GRADUATION.**—The candidate for a degree must deposit with the Dean, two weeks before the examination, a Thesis, written by himself, upon some medical subject. He must present satisfactory certificates that he is twenty-one years of age, and possesses a good moral character; and a further certificate from a respectable and regular practitioner of medicine that he has studied under his direction for two years, if he is a graduate of a College, and three years if he is not. He must also have attended two full courses of public lectures, at least one of which must have been in this Institution. The time thus spent in attendance on the public lectures is counted as part of the time of study required before graduation.\* The Committee of Examination consists of the Faculty, and an equal number of the members of the Connecticut Medical Society, appointed by the President and Fellows of the same; and the President of the Society is *ex-officio* President of the Committee.

Two Examinations for Degrees are held annually; one at the close of the Winter Term, and the other on the Tuesday before Commencement, at the close of the Spring Term.

**TUITION FEES, ALWAYS REQUIRED IN ADVANCE.**

Matriculation Fee, paid annually, - - - - -	\$5.00
Winter Term, Lecture Fees, - - - - -	105.00
For the Spring Term, - - - - -	60.00
Contingent Expenses of Laboratory, Spring Term, - - -	10.00
Demonstrator's Ticket, paid once a year by those who dissect, -	5.00
Graduation Fee, - - - - -	25.00

In the Winter Term students may take the whole or any part of the Lectures at their option; in the latter case the fees are \$15 for each ticket.

Those who have attended two full courses of Lectures in this Institution, or have attended one full course in this Institution, and a full course in a similar Medical College, are entitled to admission to the Lectures of any future Winter Term on the payment of \$5 for incidental expenses. Those who have attended two full courses in any other accredited College, may receive all the tickets for the Winter Term, including Matriculation, for \$50.

\* The Spring Term is also counted as a part of the time required for Medical Study; but it does not count as one of the courses of Public Lectures required for Graduation.

## LAW DEPARTMENT.

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THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Mercantile Law and Evidence, a Professor of Elementary and Criminal Law and the Law of Real Property, a Professor of Constitutional Law, Contracts, and Wills, and a Professor of Pleading and Equity Jurisprudence. Lectures are also delivered by Hon. CHARLES J. McCURDY, LL.D., on Life Insurance, Rev. THEODORE D. WOOLSEY, D.D., LL.D., on International Law, Rev. LEONARD BACON, D.D., LL.D., on Ecclesiastical Law, Hon. ORIGEN S. SEYMOUR, LL.D., on Judicial Procedure and Practice, Hon. LAFAYETTE S. FOSTER, LL.D., on Parliamentary Law, and the Science of Legislation, Professor HOPPIN on Forensic Composition, Professor WAYLAND on English Constitutional Law and History, GEORGE B. FARNAM, M.D., on Medical Jurisprudence, MARK BAILEY, M.A., on Forensic Elocution, Professor BALDWIN on Roman Law and Comparative Jurisprudence, Professor PLATT on General Jurisprudence, and FREDERIC H. BETTS, M.A., on Patent Law.

TERMS AND VACATIONS.—There are two Terms in each year: the Fall Term, beginning on the same day with the first Academical Term (Sept. 16, 1875) and closing on the day before Christmas (Dec. 24, 1875); and the Spring Term, beginning on the second Wednesday of February (Febr. 9, 1876), and closing at Commencement (June 29, 1876), with a recess of one week, beginning Thursday, April 13.

COURSE OF INSTRUCTION.—The students are divided into two Classes, Senior and Junior, for each of which a special course of study is provided. The daily exercises consist of lectures and recitations from standard text books, the latter being accompanied by oral explanations. The students are frequently referred to the leading cases on the subject under consideration, and required to be prepared for questions upon them at the next exercise of the class: they are also encouraged to put questions freely to the instructor at all recitations. On every Wednesday a moot court is held, at which one of the professors acts as judge. The students acting as counsel, in the argument of cases, are required to draw the necessary pleadings in the common law form.



Members of either Class can attend the lectures of Professors in other Departments of the College, whenever it is compatible with their other engagements; and, with a few exceptions only, without charge. They can also attend one or more of the special courses of graduate instruction on payment of a moderate fee. (See page 49.)

The regular curriculum of study is as follows:

#### JUNIOR YEAR.

FALL TERM.—Recitations: Elementary Law, Prof. Robinson; Torts, Prof. Platt. Lectures: Nature and History of American Law, Prof. Baldwin; General Jurisprudence, Prof. Platt; Forensic Elocution, Mr. Bailey; Methods of Study, President Porter.

SPRING TERM.—Recitations: Contracts, Prof. Baldwin; Mercantile Law, and Evidence, Prof. Wayland; Pleading, Prof. Platt. Lectures: Life Insurance, Judge McCurdy; Forensic Composition, Prof. Hoppin; Wills, Prof. Baldwin; English Constitutional Law, Prof. Wayland; Medical Jurisprudence, Dr. Farnam.

#### SENIOR YEAR.

FALL TERM.—Recitations: Equity, Prof. Platt; Contracts, Prof. Baldwin; Mercantile Law, Prof. Wayland. Lectures: International Law, President Woolsey; Parliamentary Law and the Science of Legislation, Judge Foster; Comparative Jurisprudence, and Roman Law, Prof. Baldwin.

SPRING TERM.—Recitations: Contracts, Prof. Baldwin; Mercantile Law, Prof. Wayland; Real Property, Prof. Robinson. Lectures: Judicial Procedure and Practice, Judge Seymour; American Constitutional Law, Prof. Baldwin; Ecclesiastical Law, Dr. Bacon; Political Economy, Prof. Wayland; Patent Law, Mr. Betts; Criminal Law, Prof. Robinson.

A course of study is also provided for those who do not intend to engage in the practice of the Law, but wish to obtain a knowledge of its principles to complete their education, or with reference to mercantile pursuits.

The principal text-books used are, in Junior year, Blackstone's Commentaries, Robinson's Notes on Elementary Law, Addison on Torts (abridged), Parsons on Contracts, Gould on Pleading, and Greenleaf on Evidence, vol. I.; in Senior year, Parsons on Contracts, Smith's Manual of Equity Jurisprudence, and Williams on Real Property.

Students are also recommended to read during their course the following works in connection with their regular exercises: Smith's Mercantile Law, Smith's Leading Cases, Washburn on Real Property, Kent's Commentaries, Maine's Ancient Law, Hadley's Roman Law, Stephen on Pleading, Dicey on Parties, and Cooley on Constitutional Limitations.

At the close of the Spring Term, each Class is subjected to a written examination on the studies of the preceding year.

Since the re-organization of the School in 1870, it has been the aim of the Faculty to make the course of legal education complete and thorough; not

confining it to such instruction as may suffice to qualify the students to become successful practising lawyers, but making it cover whatever contributes to make Law a science, and a liberal and liberalizing profession, worthy the pursuit of an educated man.

The study of public law, comparative jurisprudence, and legislation, style in composition, constitutional history, and political science, is therefore made more prominent than it has ever been before at an American Law School, or than it can be at any school where the term of study is less extended, or where—from its want of connection with a University—the staff of instructors must be less numerous.

**TERMS OF ADMISSION.**—Applicants for admission to the Junior Class must be at least eighteen years of age, and all who have not taken a degree from some collegiate institution (excepting only attorneys at law), must pass a satisfactory examination in English Grammar (including Composition and Orthography), the History of England and of the United States, and the text of the Constitution of the United States.

To entitle a person to admission to advanced standing as a member of the Senior Class, he must be at least nineteen years of age; must have studied law under a competent instructor elsewhere for at least a year; and, if not an attorney at law, must pass such an examination as is required for those entering the Senior Class in the regular course, and also (college graduates and attorneys at law excepted) such an examination as is required in the case of applicants for admission to the Junior Class.

Applicants for admission to advanced standing who have received a collegiate degree, or have passed the preliminary examination in English studies specified above, may either attend the regular annual Junior examination, during the week preceding Commencement; or pass a special examination beginning upon the first Saturday after the opening of the Fall Term, at which it will be sufficient if they are prepared to be questioned upon Kent's Commentaries, lectures first to nine inclusive, fourteen to eighteen inclusive, and sixty, sixty-two, and sixty-eight; Parsons on Contracts, subjects of bailments, life insurance, agents, gifts, capacity to contract, consideration and assent, sales, warranty, hiring, infancy, married women, interest, marriage, construction, defences, estoppels, statute of limitations, damages and liens; Blackstone's Commentaries, first three books; Gould on Pleading; and Greenleaf on Evidence, vol. I.

Attorneys at law are admitted to either class without any examination; and special students, not candidates for a degree, will be admitted to any of the exercises of the School without examination.

**LIBRARIES.**—The special Library of the Department, which has a permanent endowment for its support (the English Fund),\* contains between seven and eight thousand volumes, comprising a complete collection of the English, American, and Irish Reports of judicial decisions, and an extensive collection of text-books, and works on jurisprudence and political history and philosophy. The consulting room is also kept supplied with the leading legal periodicals. It is open daily, during term-time, from 8 A.M. to 12.45 P.M., and from 2 to 5.45 P.M. (with the exception of Saturday afternoon): during vacations it is not opened until 9 A.M.

The students can also draw books from the general University libraries, without charge.

**PRIZES.**—The **TOWNSEND Prize**,† of one hundred dollars, will be annually awarded to that member of the Senior Class who shall write and pronounce the best oration or thesis at his graduation, at the public anniversary exercises of the Department, which take place on the day before Commencement.

The **JEWELL Prizes**,‡ each of fifty dollars, will be annually awarded as follows: one prize to that member of the Senior Class who receives the highest mark at the final examination of his class at their graduation; one prize to that member of the Senior Class who shall write the best dissertation on a given legal topic; and one to that member of the Junior Class who shall write the best dissertation on a given legal topic.

The **BETTS Prize**,§ of fifty dollars, will be awarded to that member of the Junior Class who receives the highest mark at his annual examination.

The **CIVIL LAW Prize**, of thirty dollars, will be awarded for the best dissertation on a given topic connected with the Roman Law.

**FACILITIES FOR OBSERVING PRACTICE.**—The apartments of the Law School occupy the third floor of the Court House building, where the Supreme Court of Errors of Connecticut

\* Established by Hon. James E. English, M.A., in 1873.

† Established by Hon. James M. Townsend, in 1874.

‡ Established by Hon. Marshall Jewell, M.A., in 1871.

§ Established by Frederic H. Betts, Esq., M.A., in 1875.

holds two Terms annually, and the Superior Court and the Court of Common Pleas (the principal *nisi prius* Courts of the State) are in session during the greater part of the year. A City Court of both civil and criminal jurisdiction sits daily in the next building. One Term of the U. S. Circuit Court, and two of the U. S. District Court, are also held annually in New Haven.

The apartments comprise a lecture-room, accommodating two hundred students, a large room for moot courts, a smaller one for the use of law clubs, a library hall, an office for the Dean of the Faculty, and other conveniences.

DEGREE.—The degree of Bachelor of Laws will be conferred (upon examination, as above mentioned, and upon the presentation of a satisfactory thesis,) as follows:—

1st. Upon Attorneys at Law, who have been members of this Department for not less than one year after their admission to the Bar.

2d. Upon students who have been members of this Department for not less than four terms.

3d. Upon those who have received the degree of Bachelor or Doctor in any of the Arts or Sciences from any incorporated College or University, and have subsequently been members of this Department for not less than eighteen months, or three terms.

4th. Upon students who may have been admitted to advanced standing as members of the Senior Class, and have remained in that Class for not less than one year or two terms.

Six months' study in the Law School of any other College or University, in the case of College graduates, or one year's study at such a Law School in other cases, will be deemed equivalent to attendance during the same time in this Department.

Graduates of the Department receiving this degree are admitted to the Connecticut Bar without further examination.

By the rules adopted by the Court of Appeals of New York, a year's attendance at the Yale Law School is counted the same as a similar period spent in the office of an attorney of that Court in New York.

It is proposed to open at the commencement of the next college year (beginning Sept. 9, 1876), to those who have taken the Bachelor's degree, a further course of study, occu-

pying a third, and for those who desire it, a fourth year, in which, besides further instruction in General Jurisprudence, Comparative Jurisprudence, Conflict of Laws, Roman Law, Judicial Procedure and Practice, Forensic Oratory, Parliamentary Law, and Medical Jurisprudence, will be comprehended the subjects of Political Science, History, and Economy, Logic, Ethics and Moral Philosophy, and the Administration of Estates; appropriate degrees, in the Faculty of Law, being conferred upon examination and the presentation of a satisfactory thesis, at the conclusion of each year of the course.

EXPENSES.—The fees for tuition and use of library are \$45 for the Fall Term, and \$55 for the Spring Term, or \$90 for the entire annual session; to be paid to the Treasurer of the College in advance, or secured by a bond satisfactory to him: where payment is not made in advance, interest will be added. The diploma fee is \$5, and the Court fees for admission to the Bar are \$8. A further Court fee is chargeable for admission to practice in the U. S. Courts for the District of Connecticut, if this is also desired.

Board and lodging can be obtained in New Haven at prices ranging from \$6 a week upwards.

## LIBRARY AND CABINET.

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THE COLLEGE LIBRARY numbers about 75,000 volumes, besides many thousand unbound pamphlets. It is designed for the use of the College officers, resident graduates, and the students of the various Departments. Other persons may have the privilege of consulting the Library and drawing books, by permission of the Library Committee. The Library is open daily in term-time from 10 A. M. to 1 P. M., and from 3 to 5 P. M.; or, during the winter months, from 10 A. M. to 1 P. M., and from 2½ to 4½ P. M.

In the same building is the LINONIAN AND BROTHERS LIBRARY, designed primarily for the use of the undergraduate students, and containing about 19,000 volumes. This library is open daily, from 1½ to 3 P. M.

The Theological, Law, Medical, and Scientific Schools have each a special Library, accessible to the students of those schools.

The Library of the AMERICAN ORIENTAL SOCIETY, numbering about 2,500 printed books and manuscripts, is kept in the College Library building.

### SUMMARY.

College Library (exclusive of pamphlets) about	-	75,000 vols.
Linonian and Brothers Library, about	- - - -	19,000 "
Libraries of the Professional Schools, about	- - - -	17,000 "
Total,	- - - - -	111,000

THE COLLEGE CABINET embraces an extensive and valuable collection of minerals, systematically arranged; a collection of fossils, arranged according to their geological succession, besides large collections not arranged for exhibition; and a valuable Zoological collection, of which only a small part can at present be exhibited, for lack of room.

The exhibition hall is free to students and the public. The key is at the Treasurer's Office, 5 Treasury Building.

APPOINTMENTS FOR COMMENCEMENT,  
JULY 1, 1875.

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ORATIONS.

HENRY STRONG GULLIVER, Valedictory Oration, *Norwich*.  
 CHARLES TRUMBULL RUSS, Salutatory Oration, *Hartford*.  
 HAMILTON MERCER WRIGHT, Philosophical Oration, *New Orleans, La.*  
 WILLIAM ROGERS RICHARDS, Philosophical Oration, *Litchfield*.  
 JAMES HILLHOUSE, Philosophical Oration, *New Haven*.  
 Carl Thurston Chester, *Buffalo, N. Y.* | Edw. Wells Southworth, *New Haven*.  
 Henry Blodget, *Hartford*.

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William Henry Hotchkiss, *Ansonia*. | Samuel Rossiter Betts, *N. York City*.  
 Charles Lothrop Noyes, *New Haven*. | Horatio Townsend Fairlamb, *West*  
 Lewis Fuller Reid, *Chicago, Ill.* | *Chester, Pa.*  
 Moses Sanborn Gordon, *Exeter, N. H.* | Henry Moses Walradt, *Chester, Mass.*

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DISSERTATIONS.

John Anson Garver, *Scotland, Pa.* | Eugene Bouton, *Jefferson, N. Y.*  
 Samuel Horace Barnum, *New Haven*.

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DISPUTES.

Ch. Wm. Cochran, *White Plains, N. Y.* | Joseph Alden Griffin, *Topeka, Kan.*  
 { William Sumner Hungerford, *East* | Chas. Tillinghast, *Cincinnati, N. Y.*  
   *Haddam.* | Henry McLellan Harding, *Bath, Me.*  
 { Chas. Robinson Smith, *Buffalo, N. Y.*

---

George Collin, *Penn Yan, N. Y.* | { Charles Hammond Avery, *Cincin-*  
 Edwin Allston Hill, *New York City.* | *nati, Ohio.*  
 { Edward Strong Peck, *New Haven.* | George Henry Benton, *Mount Leba-*  
 { Reuben A. Torrey, *Geneva, N. Y.* | *non, Syria.*  
 { Robert D. Townsend, *New Haven.* | John Sammis Seymour, *Whitney's*  
 George Underwood, *Auburn, N. Y.* | *Point, N. Y.*

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COLLOQUIES.

{ Howard Parry Bell, *Dexter, N. Y.* | Samuel Johnston Huntington, *Cincin-*  
 { William Stuart Kenny, *York, Pa.* | *nati, O.*  
 Samuel Isham, *New York City.* | { Henry Bradford Loomis, *New Haven.*  
 Melville Alvord Stone, *Guilford.* | { Frederic Elkanah Snow, *New Haven.*  
 { John C. Collins, *Albion, N. Y.* | William Wotkins Seymour, *Troy, N.*  
 { Chas. Albert Myers, *Franklin, Pa.* | *York.*

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Robert Webster Day, *New York City.* | { Louis Edward Alter, *New Haven.*  
 Newell Martin, *Peking, China.* | Edward Storrs Atwater, *Poughkeep-*  
 { Timothy Jonathan Lee, *Madison.* | *sie, N. Y.*  
 { Wm. Drummond Page, *Bath, Me.* | Clarence Edelbert Bloodgood, *Hem-*  
 Harmanus Madison Welch, *New* | *sonville, N. Y.*  
   *Haven.* | James Hazleton Cook, *Guilford.*

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The graduating class numbered ninety-four.

APPOINTMENTS FOR JUNIOR EXHIBITION,  
CLASS OF 1876.

ORATIONS.

JOHN BLANCHARD GLEASON, *Delhi, N. Y.*  
ARTHUR TWINING HADLEY, *New Haven.*  
WILLIAM WALDO HYDE, *Hartford.*  
JOHN KENDRICK, *Wallingford.*  
GEORGE WILLIAM ROLLINS, *Hyde Park, Mass.*  
EDWIN DEAN WORCESTER, *Albany, N. Y.*

Elisha Slocum Bottom, <i>Norwich.</i>	Frank Aug'us Gaylord, <i>N. York City.</i>
David Walter Brown, <i>Ogdensb'h, N. Y.</i>	Leveritt Hyslip Sage, <i>Hackensack, N. Y.</i>
George Ensign Bushnell, <i>Beloit, Wisc.</i>	Chas. Henry Willcox, <i>Stamford.</i>
George Eaton Coney, <i>New Haven.</i>	

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Theodore Alfred Bingham, <i>Portsmouth, N. H.</i>	Oliver Ellsworth Lyman, <i>New Haven.</i>
Wm. Buehler Lamberton, <i>Harrisburg, Pa.</i>	Wm. Thaddeus Strong, <i>West Roxbury, Mass.</i>
	Fred Norman Wright, <i>Cortland, N. Y.</i>

DISSERTATIONS.

John Ewing Durand, <i>Rochester, N. Y.</i>	William James Wakeman, <i>Westport.</i>
Michael Furst, <i>Brooklyn, N. Y.</i>	Lewis Jonathan Warren, <i>Killingly.</i>
Elmer Parker Howe, <i>Worcester, Mass.</i>	

DISPUTES.

Otto Tremont Bannard, <i>McGregor, Iowa.</i>	Francis Augustus Leach, <i>Lyons, N. Y.</i>
Bradbury Bedell, <i>Athens, N. Y.</i>	Edw. Lewis Lockwood, <i>Goshen, N. Y.</i>
Stanley Dwight, <i>New York City.</i>	Louis Schram, <i>Milwaukee, Wisc.</i>
Dwight Williams Hunter, <i>Terryville.</i>	George Loomis Sterling, <i>Trumbull.</i>

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Chester Mitchell Dawes, <i>Pittsfield, Ms.</i>	Philip Gray Russell, <i>New Haven.</i>
Rob. Brown Fleming, <i>Jersey City, N. Y.</i>	Rufus Biggs Smith, <i>Cincinnati, Ohio.</i>
Jacob Goodman, <i>Baltimore, Md.</i>	Nathan P. Tyler, <i>Barrytown, N. Y.</i>
Joseph Sexton Hunn, <i>Rochester, N. Y.</i>	Frank Erastus Wheeler, <i>Utica, N. Y.</i>
Winthrop Hoyt Perry, <i>Southport.</i>	Herbert Stanley Young, <i>Griswold.</i>

COLLOQUIES.

Archibald Alexander Austin, <i>Paris, Ill.</i>	Joseph C. LeBourgeois, <i>St. James, La.</i>
Henry Maynard Butler, <i>Chicago, Ill.</i>	Louis Wm. Maxson, <i>San Francisco, Cal.</i>
Lowell Lawrence Clapp, <i>W. Killingly.</i>	Frederic Werden Pangborn, <i>Jersey City, N. Y.</i>
Kennedy T. Friend, <i>Pittsburgh, Pa.</i>	John Porter, <i>New York City.</i>
Chas. DeForest Hawley, <i>Chicago, Ill.</i>	

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William Arnold, <i>Brooklyn, N. Y.</i>	David Hyde Kellogg, <i>Spuyten Duyvil, N. Y.</i>
Charles Benner, <i>Astoria, N. Y.</i>	Edgar Jay Lake, <i>Lake Forest, Ill.</i>
Frank Sherman Benson, <i>Brooklyn, N. Y.</i>	Jos. Howard Marvin, <i>Brooklyn, N. Y.</i>
Charles Willard Bird, <i>Bethlehem.</i>	John Francis Nelson, <i>Brooklyn, N. Y.</i>
Horace Riverside Buck, <i>Sedalia, Mo.</i>	Wm. Hampton Patton, <i>Waterbury.</i>
James Brooks Dill, <i>New Haven.</i>	John Harold Philip, <i>Claverack, N. Y.</i>
Henry Clay Easton, <i>Covington, Ky.</i>	Francis Scott, <i>Patterson, N. Y.</i>
John Joseph Jennings, <i>Coventry.</i>	David Trumbull, <i>Valparaiso, Chili.</i>
	Frank Waldo Vaille, <i>Springfield, Mass.</i>

*Exhibition, April 1, 1875.*



## FELLOWSHIPS.

**DOUGLAS Fellow.**—EDWARD D. ROBBINS, B.A., Class of 1874.  
**WHEELER Memorial Fellow.**—HENRY BLODGET, B.A., Class of 1875.

**SCHOLARS OF THE HOUSE.**

BERKELEY Scholarship.—Class of 1874.—GEORGE L. FOX, B.A.  
CLARK Scholarship.—Class of 1874.—EDWARD D. ROBBINS, B.A.  
BERKELEY Scholarship.—Class of 1875.—HENRY M. WALRADT, B.A.  
CLARK Scholarship.—Class of 1875.—HENRY M. WALRADT, B.A.  
WOOLSEY Scholarship.—Class of 1876.—ARTHUR T. HADLEY.  
BRISTED Scholarship.—Class of 1876.—ARTHUR T. HADLEY.  
WOOLSEY Scholarship.—Class of 1877.—JOHN S. THACHER.  
WOOLSEY Scholarship.—Class of 1878.—CLARENCE H. KELSEY.  
HURLBUT Scholarship.—Class of 1878.—ROGER S. B. FOSTER.  
THIRD FRESHMAN Scholarship.—Class of 1878.—WILLIAM H. TAFT.

### PREMIUMS AWARDED DURING THE YEAR 1874-5.

**UNIVERSITY PRIZE.**

**JOHN A. PORTER Prize.**—Charles W. Guernsey, B.A., of the Theological Department.

**ACADEMICAL DEPARTMENT.**

BERKELEY Scholarship.—Class of 1875.—Henry M. Walradt.  
CLARK Scholarship.—Class of 1875.—Henry M. Walradt.  
WOOLSEY Scholarship.—Class of 1878.—Clarence H. Kelsey.  
HURLBUT Scholarship.—Class of 1878.—Roger S. B. Foster.  
THIRD FRESHMAN Scholarship.—Class of 1878.—William H. Taft. }  
DEFOREST Medal.—Class of 1875 { Carl T. Chester,  
Henry S. Gulliver.  
TOWNSEND Premiums for English Composition.—Class of 1875.—Samuel R.  
Betts, John A. Garver, James Hillhouse, Edward W. Southworth.  
SENIOR Mathematical Prize.—Class of 1875.—1st Prize, with gold medal,  
William S. Hungerford.  
CLARK Premiums for Solution of Astronomical Problems.—Class of 1875.—  
1st Prize, William S. Hungerford ; 2d Prize, Edwin A. Hill.  
WINTHROP Prizes.—Class of 1876.—1st Prize, George E. Bushnell ; 2d Prize,  
John B. Gleason and Arthur T. Hadley, equal.  
SCOTT Prizes.—Class of 1876. { George E. Bushnell,  
George W. Rollins.

## COLLEGE PREMIUMS FOR ENGLISH COMPOSITION.

## Class of 1875.

<i>1st Prizes.</i>	<i>2d Prizes.</i>
Almet F. Jenks,	Timothy J. Lee,
Samuel R. Betts,	Edward S. Atwater,
Lewis F. Reid,	Charles T. Russ,
Edward W. Southworth, }	John A. Garver, }
Henry S. Gulliver,	Clark P. Howland, }
Henry M. Walradt,	William R. Richards, }
Carl T. Chester,	Benjamin W. Davis, }
Charles L. Noyes.	William H. Hotchkiss, }
	Edwin A. Hill.

SPECIAL PRIZES for Compositions on Huxley and Stirling.—1st Prize, Edwin A. Hill; 2d Prize, Eugene Bouton.

## Class of 1877—1st Term.

<i>1st Prizes.</i>	<i>2d Prizes.</i>	<i>3d Prizes.</i>
Luther D. Bradley,	Arthur R. Kimball,	Charles F. Chapin,
Edwin R. Dillingham,	Webster Merrifield,	Edwin B. Goodell,
Anthony Gould,	Henry T. Thomas,	Frank A. Mitchell,
Joseph G. Pyle.	George M. Tuttle.	William H. Upton.

## Class of 1877—2d Term.

<i>1st Prizes.</i>	<i>2d Prizes.</i>	<i>3d Prizes.</i>
Charles F. Chapin,	Edwin B. Goodell,	Russell Frost,
Edwin R. Dillingham,	Anthony Gould,	Thomas D. Goodell,
Edwin B. Gager,	Arthur R. Kimball,	George H. Thomas,
Joseph G. Pyle.	Webster Merrifield.	William H. Upton.

FOR POEM.—Class of 1877.—Luther D. Bradley.

## JUNIOR EXHIBITION PREMIUMS.—CLASS OF 1876.

1st Prize, Edwin D. Worcester; 2d Prizes, Otto T. Bannard, Elisha S. Bottom, George E. Bushnell, Arthur T. Hadley, Elmer P. Howe, William W. Hyde, George W. Rollins, Philip G. Russell, Charles H. Willcox.

## PREMIUMS FOR DECLAMATION.—CLASS OF 1877.

1st Prize, Joseph H. Chandler; 2d Prize, Orville Reed and John S. Thacher; 3d Prize, John M. Whitehead.

## PREMIUMS FOR SOLUTION OF MATHEMATICAL PROBLEMS.

Class of 1877.—1st Prize, Orray T. Sherman; 2d Prize, Henry M. Rood; 3d Prize, Charles C. Camp.

Class of 1878.—1st Prizes, John I. McDonald, William H. Taft; 2d Prizes, Edward L. Morse, Reynold W. Wilcox; 3d Prize, Clarence H. Kelsey.

## BERKELEY PRIZES FOR EXCELLENCE IN LATIN COMPOSITION.

Class of 1878.—1st Prizes, Oliver W. Brown, Roger S. B. Foster, Henry M. Hoyt, Clarence H. Kelsey, Alfred L. Ripley, Lawrence H. Schwab, Edward B. Whitney; 2d Prizes, Frank A. Beckwith, Harry C. Coe, Stanley W. Dexter, Philip W. Moen, George S. Palmer, Frederick S. Smith, William L. R. Wurts.

Prizes for excellence in Latin Composition, at the Scholarship Examination.—Class of 1878.—Harry C. Coe, Stanley W. Dexter.

## SHEFFIELD SCIENTIFIC SCHOOL.

## CLASS OF 1875.

FOR EXCELLENCE IN GERMAN, Charles W. Fenn.

FOR EXCELLENCE IN CIVIL ENGINEERING, William A. Pratt.

## CLASS OF 1876.

FOR EXCELLENCE IN MATHEMATICS OF JUNIOR YEAR, Porter D. Ford and Hiram A. Miller, equal.

FOR EXCELLENCE IN CHEMISTRY, Frederick P. Dewey and Frederick P. Miles, equal.

FOR EXCELLENCE IN MINERALOGY, Frederick P. Dewey.

## CLASS OF 1877.

FOR EXCELLENCE IN ALL THE STUDIES OF FRESHMAN YEAR, Wallace B. Fenn; with honorable mention of Joseph G. Calhoun.

FOR EXCELLENCE IN GERMAN, Joseph P. Iddings and William T. Sedgwick, equal.

FOR EXCELLENCE IN MATHEMATICS, John E. Buddington and Wallace B. Fenn, equal.

FOR EXCELLENCE IN PHYSICS, Joseph G. Calhoun.

FOR EXCELLENCE IN MECHANICAL DRAWING, Joseph P. Iddings.

## CLASS OF 1878.

FOR THE BEST ENTRANCE EXAMINATION, the prize divided between George W. Mason of Orange, N. J., and Ebin J. Ward, of Chicago, Ill., with honorable mention of Charles S. Churchill, of New Haven.

## LAW DEPARTMENT.

JEWELL PRIZE, to the student passing the best examination at his graduation.  
—Levy Maybaum, Class of 1875.

TOWNSEND PRIZE, to the student pronouncing the best oration at his graduation.—Samuel O. Prentice, B.A., Class of 1875.

Committee of Award: Hon. William M. Evarts, LL.D.,  
Henry Day, Esq., B.A.,  
Hon. Stanley T. Woodward, B.A.

EDWARDS PRIZE, for the best dissertation on the Powers of States in regard to Bridging Navigable Rivers.—William Foster, B.A., Class of 1876.

Committee of Award : Hon. Leonard E. Wales, B.A.,  
Anthony Higgins, Esq., B.A.

CIVIL LAW PRIZE, for the best dissertation on the Influence of the *Patria Potestas* on Roman History.—Greene Kendrick, B.A., Class of 1875.

Committee of Award : Hon. Lafayette S. Foster, LL.D.,  
Jeremiah Halsey, Esq.

JEWELL PRIZE, for the best dissertation from a member of the Senior class on the Influence of Custom in the Formation of Law.—Greene Kendrick, B.A., Class of 1875.

Committee of Award : Hon. Benjamin D. Silliman, LL.D.,  
Cornelius Van Santvoord, Esq., M.A.

BETTS PRIZE, to the member of the Junior class receiving the highest mark at his annual examination.—Levy Mayer.

JEWELL PRIZE, for the best dissertation from a member of the Junior class, on the History of Trial by Jury.—William J. Mills, Class of 1877.

Committee of Award : Hon. David B. Booth, M.A.,  
Hon. Lyman D. Brewster, M.A.

HONORS.\*

*Class of 1875.*

Levy Maybaum, Newark, N. J. (Jewell Prize,)  
Matthew N. Whitmore, B.A., New Haven.  
James P. Platt, West Meriden.  
George M. Sharp, Baltimore, Md.  
Cyrus L. Munson, Williamsport, Penn.

*Class of 1876.*

Levy Mayer, Chicago, Ill. (Betts Prize,)  
John H. Whiting, Ansonia.  
William Foster, B.A., Honolulu, H. I.  
William C. Anderson, B.A., Youngstown, Pa.  
Austin A. Canavan, Chicago, Ill.

\* This list comprises the names of the five in each class who received the highest marks at its annual examination.

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For catalogues and other information, address THE SECRETARY OF YALE COLLEGE, NEW HAVEN, CONN.

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The last edition of the Triennial Catalogue of the Graduates of the College was published in June, 1874.

Obituary notices of deceased graduates of the College are published annually.

All persons, who can supply information appropriate to the future editions of the Triennial Catalogue or Obituary Record, are urgently requested to communicate with the Secretary.

CATALOGUE  
OF THE  
OFFICERS AND STUDENTS  
OF  
YALE COLLEGE,

With a Statement of the Course of Instruction in the  
Various Departments,

1876-77

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NEW HAVEN:  
TUTTLE, MOREHOUSE & TAYLOR, PRINTERS  
1876





CATALOGUE  
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TUTTLE, MOREHOUSE & TAYLOR, PRINTERS  
1876

## ABBREVIATIONS

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A.	.	.	.	.	.	.	Absent on leave
C.	.	.	.	.	.	.	Old Chapel
D.	.	.	.	.	.	.	Durfee College
E. D. H.	.	.	.	.	.	.	East Divinity Hall
F.	.	.	.	.	.	.	Farnam College
L.	.	.	.	.	.	.	Lyceum
N.	.	.	.	.	.	.	North College
N. M.	.	.	.	.	.	.	North Middle College
N. S. H.	.	.	.	.	.	.	North Sheffield Hall
S.	.	.	.	.	.	.	South College
S. H.	.	.	.	.	.	.	Sheffield Hall
S. M.	.	.	.	.	.	.	South Middle College
TR.	.	.	.	.	.	.	Treasury Building
W. D. H.	.	.	.	.	.	.	West Divinity Hall

Upon the College Square, the rooms numbered from 1 to 32 are in South College; from 33 to 64 in South Middle College; from 65 to 96 in North Middle College; from 97 to 128 in North College; from 129 to 177 in Farnam College; from 178 to 185 in the Lyceum; from 186 to 200 in the Old Chapel; from 201 to 240 in Durfee College.

The rooms in East Divinity Hall are numbered from 1 to 54; in West Divinity Hall from 55 to 124.

The rooms in Sheffield Hall are numbered from 1 to 22; in North Sheffield Hall from 23 to 58.

# CORPORATION

---

## PRESIDENT

REV. NOAH PORTER, D.D., LL.D.

## FELLOWS

HIS EXCELLENCY CHARLES R. INGERSOLL, LL.D., NEW HAVEN  
HIS HONOR GEORGE G. SILL, M.A., HARTFORD  
REV. LEONARD BACON, D.D., LL.D., NEW HAVEN  
REV. THEODORE D. WOOLSEY, D.D., LL.D., NEW HAVEN  
REV. HIRAM P. ARMS, D.D., NORWICH TOWN  
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MASON YOUNG, M.A., NEW YORK CITY

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## SECRETARY

FRANKLIN B. DEXTER, M.A.

## TREASURER

HENRY C. KINGSLEY, M.A. (5 TR.) 23 Hillhouse av.

## TREASURER'S ASSISTANT

LUCIUS W. FITCH, M.A. (5 TR.) Westville

# CALENDAR

## 1876

14 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
19 Oct.	Thursday	Winter Term, Medical Department, begins.
21 Dec.	Thursday	FIRST TERM ends.

## Winter Vacation of three weeks

## 1877

11 Jan.	Thursday	SECOND ACADEMICAL TERM begins.
15 Febr.	Thursday	Winter Term, Medical Department, ends.
1 March	Thursday	Spring Term, Medical Department, begins.
22 March	Thursday	Junior Exhibition.
28 March	Wednesday	SPRING RECESS begins.
4 April	Wednesday	SPRING RECESS ends.
7 May	Monday	Berkeley Scholarship Examination.
15, 16 May	Tuesd., Wed.	Annual Examination, Theol. Department.
17 May	Thursday	Anniversary, Theological Department.
21 May	Monday	Woolsey Scholarship Examination begins.
" "	"	Winthrop Prize Examination.
4 June	Monday	Clark Scholarship Examination.
24 June	Sunday	Baccalaureate Sermon.
25 June	Monday	Anniversary of the Medical Department.
26 June	Tuesday	Anniversary of the Sheffield Scientific School.
" "	Tuesday	Presentation for Degrees, Acad. Department.
27 June	Wednesday	Anniversary of the Society of Alumni.
" "	"	Anniversary of the Law Department.
28 June	Thursday	COMMENCEMENT.
29, 30 June	Fri., Sat., Mon.	Examination for admission to the Academical Department.
2 July		
29, 30 June	Friday, Sat.	Examination for admission to the Sheffield Scientific School.

## Summer Vacation of eleven weeks

11, 12 Sept.	Tuesd., Wed.	Examination for admission.
13 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
20 Dec.	Thursday	FIRST ACADEMICAL TERM ends.

The Term in the Theological Department begins on the same day with the first Academical Term, and continues eight months, until the third Thursday in May.

In the Law Department the Fall Term coincides with the first Academical Term; the Spring Term begins on the first Wednesday in February and ends at Commencement,—with a recess of one week in April.

In the Medical Department the Winter Term begins on the third Thursday in October, and continues seventeen weeks; the Spring Term begins on the first Thursday in March, and continues, with an intermission of one week in May, till Commencement.

The Terms in the Graduate Courses of the Department of Philosophy and the Arts, in the Sheffield Scientific School, and in the School of the Fine Arts, coincide with the Academical Terms.

## FACULTY AND INSTRUCTORS

---

Rev. NOAH PORTER, D.D., LL.D.

*PRESIDENT, and Clark Professor of Moral Philosophy  
and Metaphysics*

(7 TR.) 31 Hillhouse av.

---

*Kent Professor of Law*

Rev. LEONARD BACON, D.D., LL.D.

*Lecturer on Church Polity and American Church  
History*

(1 E. D. H.) 247 Church st.

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*Chittenden Professor of Divinity, and College Pastor*

ELIAS LOOMIS, LL.D.

*Munson Professor of Natural Philosophy and  
Astronomy*

(236 D.) 141 Church st.

WILLIAM A. NORTON, M.A.

*Professor of Civil Engineering*

(34 N. S. H.) 72 Prospect st.

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*Silliman Professor of Geology and  
Mineralogy*

(6 Peabody Museum) 24 Hillhouse av.

Rev. GEORGE E. DAY, D.D.

*Holmes Professor of the Hebrew Language and Literature  
and Biblical Theology*

(5 E. D. H.) 125 College st.

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*Dwight Professor of Systematic Theology*

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*Professor of the Latin Language and Literature*

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34 Hillhouse av.

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*Sheffield Professor of Astronomy and Physics*

(39 N. S. H.) 88 Trumbull st.

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*Professor of Homiletics and the Pastoral Charge*

(7 E.D.H.) 47 Hillhouse av.

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*Professor of Obstetrics and the Diseases of Women and  
Children*

23 College st.

WILLIAM D. WHITNEY, PH.D., LL.D.

*Professor of Sanskrit and Comparative Philology, and  
Instructor in Modern Languages*

(205 D.) 246 Church st.

MOSES C. WHITE, M.D.

*Professor of Histology, Pathology, and Microscopy*

104 York st.

- HON. FRANCIS WAYLAND, M.A.  
*Professor of Mercantile Law and Evidence* (17 Court House) 91 Whitney av.
- REV. GEORGE P. FISHER, D.D.  
*Professor of Ecclesiastical History* (9 E. D. H.) 27 Hillhouse av.
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*Higgin Professor of Dynamical Engineering* (45 N. S. H.) 82 Prospect st.
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*Buckingham Professor of Sacred Literature* (72 W. D. H.) 126 College st.
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*Professor of Materia Medica and Therapeutics* 132 Olive st.
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*Professor of Mathematics* (183 L.) 135 Elm st.
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*Professor of the Theory and Practice of Medicine* Springfield, Mass.
- GEORGE J. BRUSH, M.A.  
*Professor of Mineralogy, and Executive Officer of the Sheffield Scientific School* (3 S. H.) 14 Trumbull st.
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*Professor of Theoretical and Agricultural Chemistry* (12 S. H.) 54 Trumbull st.
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*Norton Professor of Agriculture* (4 S. H.) 246 Orange st.
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*Professor of the Principles and Practice of Surgery* 32 High st.
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*Professor of Anatomy and Physiology* 126 Crown st.
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*Professor of Elementary and Criminal Law and the Law of Real Property* (16 Exchange Building) 76 Olive st.
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*Hillhouse Professor of the Greek Language and Literature* (121 N.) 233 Church st.
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*Professor of Mathematics* 8 Trumbull st.
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*Professor of Molecular Physics and Chemistry* (Lab'y.) 34 Hillhouse av.
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 Sheffield Scientific School* (6 s. h.) 22 Lincoln st.
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*Professor of Constitutional Law and the Law of  
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<i>Tutor in Latin</i>	139 Elm st.
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Rev. CYRUS HAMLIN, D.D., *on the Religious and Political Character  
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Prof. LEONARD J. SANFORD, M.D., *on the Preservation of Health*

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Charles M. Lyon

George Amasa Parkington

*New Haven*

*West Haven*

*New Haven*

14 Howard av.

62 Lafayette st.

62 Lafayette st.

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Edwin Munsell Bliss, B.A. } Amherst College	<i>Constantinople, Turkey</i>	102 W. D. H.
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Samuel Clarke Bushnell, B.A.	<i>New Haven</i>	78 W. D. H.
Ezra Porter Chittenden, B.A. } Ripon College	<i>Ripon, Wisc.</i>	91 W. D. H.
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Clarence Finster, B.A. } Cornell University	<i>Mannville, N. Y.</i>	106 W. D. H.
Taral Terjesen Frickstad	<i>Christianssand, Norway</i>	21 E. D. H.
Smith Dunbar Fry, B.A. } Simpson College	<i>Keokuk, Iowa</i>	97 W. D. H.
William Hamilton, B.A. } Miami University	<i>Hyde Park, Mass.</i>	46 Elliot st.
Frank Theodosius Lee, B.A. } Oberlin College	<i>Kenosha, Wisc.</i>	104 W. D. H.
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Jacob Glasser Neff, B.A. } Ursinus College	<i>Kutztown, Pa.</i>	26 E. D. H.
Moses Peters, B.A. } Ursinus College	<i>Saegersville, Pa.</i>	26 E. D. H.
Chauncey Jerome Richardson, B.A. } Dartmouth College	<i>Newbury, Vt.</i>	25 E. D. H.
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Albert Temple Swing, B.A. } Oberlin College	<i>Bethel, O.</i>	80 W. D. H.
George Sanford Thrall, B.A. } Amherst College	<i>Galesburg, Ill.</i>	15 E. D. H.
Foster Russell Wait, B.A. } Amherst College	<i>Holyoke, Mass.</i>	95 W. D. H.

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Edward Payson Armstrong, B.A. } Amherst College	<i>Mansfield Center</i>	27 E. D. H.
William Alanson Beecher, B.A. } and LL.B. Hamilton College	<i>Verona, N. Y.</i>	32 E. D. H.
John William Best, B.A. } Westminster College	<i>New Wilmington, Pa.</i>	53 E. D. H.
William Carr, B.A. } Dartmouth College	<i>West Glover, Vt.</i>	13 E. D. H.
George Herbert Cate, B.A. } Harvard University	<i>Wolfboro, N. H.</i>	114 W. D. H.
Joseph Brayton Clarke, B.A. } Dartmouth College	<i>Gilmanton, N. H.</i>	124 St. John st.
Frank Woodbury Cobb, M.A. } Bates College	<i>Lewiston, Me.</i>	108 W. D. H.
John Chamberlain Collins, B.A.	<i>New Haven</i>	12 E. D. H.
Matthew Andrew Crawford, B.A. } Monmouth College	<i>Lawn Ridge, Ill.</i>	39 E. D. H.
Thomas Whitney Darling, B.A. } Middlebury College	<i>Keene, N. H.</i>	115 W. D. H.
Herbert McKenzie Denslow, B.A.	<i>New Canaan</i>	102 N.
Dennis Goodsell, B.A. } Oberlin College	<i>Nelson, O.</i>	28 E. D. H.
Charles Francis Graves, B.A. } University of Vermont	<i>Burlington, Vt.</i>	49 E. D. H.
Ambrose Daniel Gring, B.A. } Franklin and Marshall Coll.	<i>Shrewsbury, Pa.</i>	38 E. D. H.
William Hedges, B.A.	<i>Bridge-Hampton, N. Y.</i>	112 W. D. H.
Charles William Hill, B.A. } Bowdoin College	<i>Biddeford, Me.</i>	81 W. D. H.
Phaon Silas Kohler	<i>Egypt, Pa.</i>	19 E. D. H.
George Edward Martin, B.A.	<i>Norwich</i>	9 Trumbull st.
Marcus Whitman Montgomery, B.A. } Amherst College	<i>Cleveland, O.</i>	79 W. D. H.
Daniel Marshall Moore, B.A. } Amherst College	<i>Orange, Mass.</i>	36 E. D. H.
Christian Mowery, B.A. } Marietta College	<i>Willow Island, W. Va.</i>	110 W. D. H.
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Frederick Elkanah Snow, B.A.	<i>New Haven</i>	112 W. D. H.
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Frank Hudson Taylor, B.A. } Oberlin College	<i>Oberlin, O.</i>	84 W. D. H.
Charles Thomson	<i>Buffalo, N. Y.</i>	117 W. D. H.
Reuben Archer Torrey, B.A.	<i>Geneva, N. Y.</i>	10 E. D. H.
Theodore Booth Willson, B.A. } University of Michigan	<i>Grand Rapids, Mich.</i>	99 W. D. H.
James Edmond Wolfe	<i>Everett, Pa.</i>	47 E. D. H.

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William Lee Bond, B.A.	<i>Kohala, Hawaii</i>	54 E. D. H.
Allen Shaw Bush, B.A.	<i>New Haven</i>	109 W. D. H.
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George Frederic Chipperfield, B.A. } Williams College	<i>Springfield, O.</i>	20 E. D. H.
Albert Barnes Cristy, B.A. } College of City of N. Y.	<i>Greenwich</i>	33 E. D. H.
Edgar Foster Davis, M.A. } Bowdoin College	<i>East Machias, Me.</i>	120 High st.
Joseph Perry Dyas, B.A. } Beloit College	<i>Sandwich, Ill.</i>	97 W. D. H.
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George Everett Guild, B.A. } Amherst College	<i>Walton, N. Y.</i>	41 E. D. H.
William Bailey Hague, M.A. } Knox College	<i>Galesburg, Ill.</i>	96 W. D. H.
Hiram Wallace Harbaugh, B.A. } National Normal School, Ohio	<i>Coshocton, O.</i>	14 E. D. H.

James McNath Hervey } Westminster College	<i>New Texas, Pa.</i>	53 E. D. H.
John Francis Humphreys	<i>Utica, N. Y.</i>	18 E. D. H.
Timothy Jonathan Lee, B.A.	<i>Madison</i>	42 E. D. H.
Jean Frederick Loba, M.A. } Olivet College	<i>Galesburg, Ill.</i>	22 E. D. H.
Edwin Clarence Oakley, B.A. } University of Michigan	<i>Detroit, Mich.</i>	30 E. D. H.
William Arthur Remele, B.A. } Middlebury College	<i>Middlebury, Vt.</i>	115 W. D. H.
Charles Henry Ricketts, B.A. } Amherst College	<i>Wales, Mass.</i>	14 E. D. H.
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Frederick Stanley Root, LL.B.	<i>New Haven</i>	8 E. D. H.
Clarence Spalding Sargent, B.A. } Dartmouth College	<i>Harristown, Ill.</i>	98 W. D. H.
Benjamin B. Seelye, B.A.	<i>Middlebury</i>	35 E. D. H.
Arthur Lewis Seward	<i>Guilford</i>	51 E. D. H.
William Henry Sybrandt, B.A. } Amherst College	<i>Argyle, N. Y.</i>	41 E. D. H.
Joseph Brainerd Thrall, B.A. } Amherst College	<i>Galesburg, Ill.</i>	15 E. D. H.

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SUMMARY

RESIDENT LICENTIATES	.	.	.	.	.	3
SENIOR CLASS	.	.	.	.	.	24
MIDDLE CLASS	.	.	.	.	.	35
JUNIOR CLASS	.	.	.	.	.	33
TOTAL	.	.	.	.	.	95

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## MEDICAL STUDENTS

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James Conquest Barker	<i>New Haven</i>	120 Chapel st.
Henry Blodget, B.A.	<i>Hartford</i>	8 Lock st.
Bartholomew Bornn	<i>St. Thomas, W. I.</i>	511 Chapel st.
Wallace Harlow Dean	<i>Riverton</i>	104 York st.
John Beach Driggs	<i>New Haven</i>	365 Orchard st.
Henry Fleischner	<i>New Haven</i>	100 Congress av.
Taral Terjesen Frickstad	<i>Christianssand, Norway</i>	21 E. D. H.
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Franklin Wilson Hall	<i>Killingworth</i>	29 High st.
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David Sherman Lacey	<i>Bridgeport</i>	18 Gold st.
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John Dickinson Tyler	<i>New Haven</i>	133 Franklin st.
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Hyman Wechsler	<i>New Haven</i>	101 Court st.
William Collin Welch	<i>West Winsted</i>	28 Gill st.
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Cornelius T. Driscoll, B.A., LL.B. } Attorney at Law	New Haven	157 Church st.
Alexander Rieman Hack, LL.B. } Univ. of Maryland, Att. at Law	Baltimore, Md.	5 Howe st.

Charles Ives, Jr., B.A., LL.B. } Attorney at Law	East Haven	1 Leffingwell Building
Talcott H. Russell, B.A., LL.B. } Columbia Col., Att. at Law	New Haven	15 Wooster pl.
William K. Townsend, B.A., LL.B. } Attorney at Law	New Haven	43 College st.
Morris Frank Tyler, M.A., LL.B. } Attorney at Law	New Haven	198 Crown st.
John Basil Ward, LL.B. } Attorney at Law	New Haven	2 Kimberly av.
John Howard Whiting, LL.B. } Attorney at Law	Ansonia	69 Church st.

GRADUATE STUDENTS, 10

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### SENIOR CLASS

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John Parker Bronk, B.A. } Wesleyan University	Middletown	153 St. John st.
Williams Griggs Butler	Detroit, Mich.	41 High st.
Timothy Davenport	Willon	222 Crown st.
Lucius Parmenius Deming	East Haven	East Haven
Carl Fyler Drake } Assistant Librarian	New Haven	13 Orange st.
Charles Rowland Dudley	Easton	72 High st.
Leverett Camp Hinman	Meriden	69 Church st.
Richard Henry Johnston	Pittsburgh, Pa.	Tontine Hotel
John Kendrick	Waterbury	118 Howe st.
Edward Lee Lindsley	North Haven	7 Yale Bank B'dg.
John Sheldon Maxwell, B.A. } Western Reserve College	Waterford, Pa.	80 Chapel st.
Edward Franklin Meeker	Bridgeport	Bridgeport
William Joseph Mills	New Haven	44 Elm st.
Henry Strong Nash	Winchendon, Mass.	63 George st.
Edward Henry Rogers, B.A.	Stony Creek	Stony Creek
Charles George Root	Waterbury	198 Meadow st.
Charles Laselle Swan, B.A.	Clinton, Mass.	191 George st.
Albert Marion Talmadge, B.A. } Wesleyan University	Middletown	153 St. John st.
Nathaniel Brooks Walker } Attorney at Law	Kennebunkport, Me.	109 York st.
James Henry Webb, B.S. } Mass. Agric. College	Hamden	16 Exchange Build'g.
Alfred Newton Wheeler, Ph.D.	Southford	59 Wooster st.
Sterne Wheeler	Saugatuck	Saugatuck
Granville Moss White	Danbury	41 High st.
Hamilton Mercer Wright, B.A.	New Haven	11 Park st.

SENIORS, 26

## JUNIOR CLASS

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William Fraser Booth, B.A. } Emory and Henry College	<i>New Orleans, La.</i>	71 York st.
Charles Andrews Colley	<i>Waterbury</i>	198 Meadow st.
Albert Jennings Dayan	<i>Lyons Falls, N. Y.</i>	5 Clark st.
Albert Denison	<i>Mystic Bridge</i>	525 Chapel st.
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Theodore Kepner Long	<i>Mellertown, Pa.</i>	19 Home pl.
Oliver Ellsworth Lyman, B.A.	<i>New Haven</i>	88 Trumbull st.
Burton Mansfield, PH.B.	<i>New Haven</i>	50 Lyon st.
Henry Frank Mather, B.A.	<i>New Haven</i>	432 Chapel st.
Robert Brinsmade Middlebrook	<i>Bridgeport</i>	102 Crown st.
David Thomas Roberts	<i>Waterbury</i>	198 Meadow st.
Philip Gray Russell, B.A.	<i>New Haven</i>	15 Wooster pl.
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Charles Ullman	<i>New Haven</i>	257 Orange st.
Henry Moses Walradt, B.A.	<i>Chester, Mass.</i>	41 Howe st.
George Creighton Webb, B.A.	<i>New York City</i>	38 Hillhouse av.
Edwin Dean Worcester, B.A.	<i>Albany, N. Y.</i>	77 York st.
Edmund Zacher, B.A.	<i>Hartford</i>	Madison House
		JUNIORS, 24

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HENRY A. BEERS, B.A.

## GRADUATE STUDENTS

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William Beebe, B.A.	Warsaw, N. Y.	153 F.
Thomas Marcus Blakslee, PH.B. } Madison University	Hamilton, N. Y.	36 Prospect st.
John Cary Boals, B.A. } Macon College	Macon, Tenn.	Macon, Tenn.
Elisha Slocum Bottom, B.A.	Norwich	72 High st.
Francis Elwood Brown, PH.B.	West Haven	West Haven
David Walter Brown, B.A.	Ogdensburgh, N. Y.	77 York st.
Clarendon Cobb Bulkley, B.A. } Trinity College	Lebanon, N. H.	23 Lyon st.
George Ensign Bushnell, B.A.	Beloit, Wisc.	77 York st.
Lloyd Joseph Caswell, PH.B.	Norwich	
Russell Henry Chittenden, PH.B.	New Haven	23 Humphrey st.
Edward Bull Clapp, B.A. } Illinois College	Waverley, Ill.	131 Dwight st.
Edward Sheffield Cowles, PH.D.	Farmington	6 Library st.
Charles Davidson, B.A. } Iowa College	Grinnell, Iowa	25 Broadway.
George Washington Dungan, B.A. } Iowa College	Oscalooza, Iowa	11 Martin st.
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Stanley Forbes, PH.B.	San Francisco, Cal.	144 Orange st.
Edward Livingston Ford, PH.B.	Buffalo, N. Y.	48 College st.
George Levi Fox, B.A.	New Haven	7 College st.
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Ely Ransom Hall, B.A.	New Haven	474 Howard av.
William Hamilton, B.A. } Miami University	Hyde Park, Mass.	46 Elliot st.
Oscar Harger, M.A.	New Haven	14 University pl.
Willabe Haskell, PH.D.	New Haven	96 Dwight st.
George Wesson Hawes, PH.B.	Boston, Mass.	14 S. H.
Oliver Perry Hay, M.A. and Prof. Nat. Sci., Oskaloosa College	Oskaloosa, Iowa	30 Cottage st.
Henry Allen Hazen, B.A. } Dartmouth College	New Haven	55 N. S. H.
Charles Hildebrand, PH.B.	New Haven	16 Chestnut st.

William Addison Houghton, B.A.	<i>New Haven</i>	139 Elm st.
David Andrew Kennedy, B.A.	<i>New Haven</i>	10 University pl.
Frank Clifford Lyman, B.A.	<i>Northampton, Mass.</i>	145 York st.
Franklin Henry McClung, B.A. } East Tennessee University	<i>Knoxville, Tenn.</i>	114 High st.
Hiram Allen Miller, PH.B.	<i>New Haven</i>	47 N. S. H.
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Herbert Franklin Northrup, B.A. } Middlebury College	<i>Shoreham, Vt.</i>	44 York sq. pl.
John Howard Packard, B.A.	<i>Auburn, Me.</i>	46 York sq.
John Robert Paddock, PH.B.	<i>Cheshire</i>	Cheshire
William Beach Palmer, PH.B.	<i>Bridgeport</i>	Bridgeport
William Hampton Patton, B.A.	<i>Waterbury</i>	46 N. S. H.
William Barton Payne, B.A. } East Tennessee University	<i>Knoxville, Tenn.</i>	126 Crown st.
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Claudius Victor Pendleton, PH.B.	<i>Bonrah</i>	57 N. S. H.
Myron Harry Phelps, B.A.	<i>Elmwood, Ill.</i>	41 S. M.
Andrew Wheeler Phillips, PH.B., } M.A. Trinity College	<i>Cheshire</i>	Cheshire
Dwight Edward Pierce, PH.B.	<i>New Haven</i>	29 Prospect st.
Dudley Rhoads, B.A. } Denison University	<i>Granville, O.</i>	120 Dwight st.
Rufus Byam Richardson, B.A.	<i>Groton, Mass.</i>	5 S.
Edward Denmore Robbins, B.A.	<i>Wethersfield</i>	21 S.
Anton Sander, B.A. } Luther College	<i>Decorah, Iowa</i>	107 W. D. H.
Naman Shepard, B.A.	<i>New Haven</i>	24 Dow st.
Thomas Alexander Smith, B.A. } Muskingum College	<i>Morganville, O.</i>	38 High st.
George Loomis Sterling, B.A.	<i>Trumbull</i>	77 York st.
John Basil Ward, LL.B.	<i>New Haven</i>	2 Kimberly av.
Charles Alexander Watson, PH.B.	<i>Hartford</i>	90 High st.
Frank Pope Wilson, B.A. } Kenyon College	<i>San Francisco, Cal.</i>	101 W. D. H.
Charles Manly Wilds, B.A. } Middlebury College	<i>Bristol, Vt.</i>	533 Chapel st.
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Edwin Dean Worcester, B.A.	<i>Albany, N. Y.</i>	77 York st.

GRADUATES, 67

## SPECIAL STUDENTS

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## SENIOR CLASS

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John Birdseye Atwater	<i>Minneapolis, Minn.</i>	154 F.
Eugene Voy Baker	<i>New Haven</i>	133 F.
Arthur Umney Bannard	<i>Salem, N. J.</i>	149 F.
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William Milo Barnum	<i>Lime Rock</i>	222 D.
John Kimberly Beach	<i>New Haven</i>	156 F.
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Walter Irving Bigelow	<i>Grafton, Mass.</i>	219 D.
Willis Anson Briscoe	<i>Thompsonville</i>	23 S.
John Wolcott Bristol	<i>New Haven</i>	156 F.
Walter Brooks	<i>New York City</i>	228 D.
Edgar Stickney Buffum	<i>Great Falls, N. H.</i>	88 N. M.
Charles Clark Camp	<i>West Meriden</i>	173 F.
Jesse Lewis Case	<i>Peconic, N. Y.</i>	194 C.
Joseph Hayes Chandler	<i>West Brattleboro, Vt.</i>	148 F.
Charles Fred Chapin	<i>South Hadley Falls, Mass.</i>	101 N.
Henry Sabin Chase	<i>Waterbury</i>	222 D.
Robert Goodsell Chidsey	<i>Westville</i>	119 N.
Frank Edgar Clark	<i>Northampton, Mass.</i>	145 F.
William Hurley Clark	<i>Bloomsburg, Pa.</i>	30 S.
Charles Melville Clarke	<i>Monterey, Mass.</i>	12 S.
Arthur Wells Cole	<i>Westmoreland, N. H.</i>	29 S.
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Israel Towne Cowles	<i>Belchertown, Mass.</i>	88 N. M.
James Pierpont Davenport	<i>Brooklyn, N. Y.</i>	24 S.
Frederick Wendell Davis	<i>Hartford</i>	23 S.
Charles Porter Dickinson	<i>Fitchburg, Mass.</i>	226 D.
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James Stephen Foote	<i>Colchester</i>	7 S.
Cleaveland Forbes	<i>San Francisco, Cal.</i>	109 York st.
William Jehiel Forbes	<i>Brooklyn, N. Y.</i>	14 S.
William Hall Ford	<i>Brooklyn, N. Y.</i>	6 S.
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Edwin Burpee Goodell	<i>New Haven</i>	181 L.

Thomas Dwight Goodell	<i>New Haven</i>	181 L.
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Orlando Hall	<i>Cleveland, O.</i>	223 D.
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Alpheus Clark Hodges	<i>Rochester, N. Y.</i>	217 Crown st.
James Birchard Howard	<i>Grand Rapids, Mich.</i>	28 S.
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Arthur Reade Kimball	<i>West Haven</i>	212 D.
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Charles Sumner Miller	<i>Rochester, N. Y.</i>	146 F.
Frank Arthur Mitchell	<i>Norwich</i>	227 D.
Frank Wisner Murray	<i>Goshen, N. Y.</i>	31 S.
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Robert Gilbert Osborn	<i>New Haven</i>	150 York st.
Frank Whitney Paige	<i>Vernon Depot</i>	99 N.
Theodore Peet	<i>New York City</i>	229 D.
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Edwin Oscar Perrin	<i>Albany, N. Y.</i>	28 S.
Frank Hinchman Platt	<i>Owego, N. Y.</i>	152 F.
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Orville Reed	<i>Lansingburgh, N. Y.</i>	148 F.
Clarence Ledoux Reid	<i>Chicago, Ill.</i>	151 F.
Henry Roberts	<i>Hartford</i>	215 D.
Henry Martyn Rood	<i>Natal, S. Africa</i>	90 N. M.
Frederick Rufus Sanford	<i>Waterbury</i>	15 S.
Joshua Montgomery Sears	<i>Boston, Mass.</i>	150 Crown st.
Frank Holmes Shaffer	<i>Cincinnati, O.</i>	145 F.
Charles Henry Shelton	<i>Jersey City, N. J.</i>	104 N.
George French Shelton	<i>Southbury</i>	106 N.
Daniel Dennis Sherman	<i>Newburgh, N. Y.</i>	11 S.
Orray Taft Sherman	<i>Newburgh, N. Y.</i>	11 S.

Morris Shotwell Shipley	<i>Cincinnati, O.</i>	230 D.
Gerrit Smith	<i>Madison</i>	17 S.
Thomas Edward Vermilye Smith	<i>New York City</i>	27 S.
Charles Haley Stevens	<i>New Haven</i>	90 N. M.
Frederick Julian Stimson	<i>New York City</i>	209 D.
Charles Hamot Strong	<i>Erie, Pa.</i>	201 D.
John Seymour Thacher	<i>New Haven</i>	151 F.
George Huntington Thomas	<i>Norwich</i>	16 S.
James Smith Thompson	<i>East Haven</i>	117 N.
Lewis Frank Tooker	<i>Port Jefferson, N. Y.</i>	32 S.
George Montgomery Tuttle	<i>Minneapolis, Minn.</i>	154 F.
Charles Cadwell Tyler	<i>Rome, N. Y.</i>	104 N.
William Henry Upton	<i>Portland, Oregon</i>	105 N.
Andrew Britton Van Horne	<i>Jersey City, N. J.</i>	10 S.
Nathaniel Upham Walker	<i>Concord, N. H.</i>	209 D.
Samuel Morris Waln	<i>Walnford, N. J.</i>	32 S.
Frank Woodruff Wheaton	<i>Wilkes Barre, Pa.</i>	10 S.
John Meek Whitehead	<i>Hillsboro, Ill.</i>	173 F.
William Erving Whitney	<i>Boston, Mass.</i>	25 S.
Alexander Martin Wilcox	<i>Baltimore, Md.</i>	117 N.
Arthur Williams	<i>Hartford</i>	22 S.
William Pierrepont Williams	<i>New London</i>	177 F.
Philip Johnson Wilson	<i>Millerton, N. Y.</i>	24 S.
Frederic Seymour Winston	<i>Chicago, Ill.</i>	219 D.

SENIORS, 118

## JUNIOR CLASS

William Martin Aber	<i>Oswego, N. Y.</i>	3 S.
George Clarence Ackerman	<i>New Haven</i>	166 F.
Henry Alexander Barling	<i>Englewood, N. J.</i>	7 Library st.
Harlan Page Beach	<i>South Orange, N. J.</i>	108 N.
Frank Armstrong Beckwith	<i>Waterbury</i>	124 N.
Fred Jason Beckwith	<i>New London</i>	75 N. M.
William Passmore Belden	<i>New Haven</i>	72 N. M.
Edward Morgan Bell	<i>Stamford</i>	68 W. D. H.
Edwin Austin Benton	<i>New York City</i>	87 N. M.
Douglas Putnam Birnie	<i>Springfield, Mass.</i>	218 D.
Edward Wilkinson Blodgett	<i>Pawtucket, R. I.</i>	64 High st.
Isadore Nathan Bloom	<i>Louisville, Ky.</i>	203 D.
Herbert Wolcott Bowen	<i>Brooklyn, N. Y.</i>	129 F.
Charles Edwin Briggs	<i>Rockford, Ill.</i>	203 D.
Oliver Winslow Brown	<i>Norwich</i>	64 High st.
Alexander Jay Bruen	<i>Washington, D. C.</i>	139 F.

George William Burton	<i>Manchester, Vt.</i>	165 F.
Treat Campbell	<i>Springfield, Ill.</i>	238 D.
Charles Francis Carter	<i>Chicopee Falls, Mass.</i>	165 F.
Arthur Dickenson Chandler	<i>Woodstock</i>	140 F.
Paul Charlton	<i>Harrisburg, Pa.</i>	237 D.
John Proctor Clarke	<i>New York City</i>	174 F.
Hollis William Cobb	<i>Shrewsbury, Mass.</i>	92 N. M.
Harry Clark Coe	<i>New Haven</i>	163 F.
Henry Eugene Coe	<i>New York City</i>	144 F.
Arthur Nott Cooley	<i>Pittsfield, Mass.</i>	208 D.
Andrew Fay Currier	<i>Poughkeepsie, N. Y.</i>	132 F.
George Louis Curtis	<i>Canandaigua, N. Y.</i>	176 F.
Arthur Payson Dana	<i>Wellesley, Mass.</i>	74 High st.
Ernest Davis	<i>Brooklyn, N. Y.</i>	206 D.
Archibald Alexander Dersheimer	<i>Falls, Pa.</i>	4 S.
Stanley Walker Dexter	<i>San Francisco, Cal.</i>	168 F.
William Lowry Dickson	<i>Cincinnati, O.</i>	174 F.
Charles Hawkins Dilley	<i>Watertown, N. Y.</i>	3 S.
Walter Erskine Dimmick	<i>Honesdale, Pa.</i>	217 D.
William Victor Downer	<i>Chittenango, N. Y.</i>	142 F.
Frederic Bennett Dubach	<i>Hannibal, Mo.</i>	85 N. M.
George Benjamin Edwards	<i>Russellville, Ky.</i>	98 N.
Charles Adam Feick	<i>Newark, N. J.</i>	6 Library st.
Albert Baldwin Fifield	<i>Providence, R. I.</i>	118 N.
Edward Willis Flagg	<i>Northboro', Mass.</i>	114 N.
Roger Sherman Baldwin Foster	<i>Boston, Mass.</i>	9 S.
Charles Henry Freedman	<i>New Haven</i>	130 F.
Charles Minor Gilbert	<i>New Haven</i>	86 York st.
George Edwards Gilbert	<i>New Haven</i>	86 York st.
William Thurston Gilbert	<i>Brooklyn, N. Y.</i>	235 D.
William Brown Glover	<i>Fairfield</i>	231 D.
William Walker Green	<i>Englewood, N. J.</i>	18 S.
Edward Platt Hickox	<i>Washington</i>	134 F.
Joseph Wood Hill	<i>Westport</i>	97 N.
Wallace Worth Hite	<i>Lancaster, O.</i>	214 D.
Howard Clark Hollister	<i>Cincinnati, O.</i>	239 D.
Louis Hood	<i>Newark, N. J.</i>	130 F.
Henry Martyn Hoyt	<i>Wilkes-Barre, Pa.</i>	232 D.
Burgess Scott Hurtt	<i>Yonkers, N. Y.</i>	168 F.
William Knowles James	<i>Hamburg, Iowa</i>	123 N.
Tudor Storrs Jenks	<i>Brooklyn, N. Y.</i>	235 D.
John Gould Jennings	<i>Cleveland, O.</i>	71 W. D. H.
Carlton Rogers Jewett	<i>Moravia, N. Y.</i>	159 F.
Ernest Clifton Johnson	<i>Walton, N. Y.</i>	4 S.
John Quincy Adams Johnson	<i>Newburyport, Mass.</i>	135 F.
Edwin Morgan Joslyn	<i>New York City</i>	233 D.
Philip Keller	<i>Ashland, Pa.</i>	91 N. M.
Edward Browning Kellogg	<i>Colchester</i>	131 F.
Clarence Hill Kelsey	<i>Bridgeport</i>	97 N.

George Tapscott Knott	<i>Springfield, Mo.</i>	163 F.
Henry Winslow Lamb	<i>New Haven</i>	131 F.
James McCormick Lamberton	<i>Harrisburg, Pa.</i>	237 D.
Frederick Benjamin Lathrop	<i>Tolland</i>	74 N. M.
William Henry Law	<i>New Haven</i>	144 F.
Harry Bruce McCarroll	<i>Morristown, N. J.</i>	159 F.
John Prouty McCune	<i>Columbus, O.</i>	206 D.
Frank Virgil McDonald	<i>Sacramento, Cal.</i>	79 York st.
John Irving McDonald	<i>St. Joseph, Mo.</i>	71 N. M.
James Briggs McEwan	<i>Albany, N. Y.</i>	142 F.
Edwin McKnight	<i>Middleport, N. Y.</i>	69 N. M.
Walter Lee Merwin	<i>Durham</i>	100 N.
Philip Washburn Moen	<i>Worcester, Mass.</i>	71 W. D. H.
Royal Corban Moodie	<i>East Craftsbury, Vt.</i>	123 N.
Samuel Merrill Moores	<i>Indianapolis, Ind.</i>	72 N. M.
Charles Henry Morgan	<i>Cleveland, O.</i>	224 D.
Edward Lind Morse	<i>Poughkeepsie, N. Y.</i>	213 D.
Thomas Ephraim Mower	<i>Litchfield</i>	231 D.
George Smith Palmer	<i>Montville</i>	140 F.
Charles Parsons	<i>New York City</i>	169 F.
Raymond Albert Patterson	<i>Chicago, Ill.</i>	208 D.
John Northrup Peet	<i>Brooklyn, N. Y.</i>	202 D.
James Protus Pigott	<i>New Haven</i>	91 N. M.
George Edward Pollock	<i>Pittsfield, Mass.</i>	238 D.
John Addison Porter	<i>New Haven</i>	232 D.
Frederick Potter	<i>New York City</i>	224 D.
Warren Aaron Ransom	<i>New York City</i>	132 F.
Edward Enoch Reed	<i>Columbia, S. C.</i>	20 S.
Alfred Lawrence Ripley	<i>Andover, Mass.</i>	213 D.
Lawrence Henry Schwab	<i>Fordham, N. Y.</i>	214 D.
William Benton Scranton	<i>New Haven</i>	147 F.
Edward Howard Seely	<i>Brooklyn, N. Y.</i>	210 D.
Charles Herbert Shaw	<i>New York City</i>	216 D.
Charles Sidney Shepard	<i>Buffalo, N. Y.</i>	210 D.
Allton Harvey Sherman	<i>Eastford</i>	69 N. M.
Edward Wier Smith	<i>West Meriden</i>	166 F.
Edwin Whittier Smith	<i>Pittsburgh, Pa.</i>	216 D.
Friend William Smith	<i>Bridgeport</i>	68 W. D. H.
Charles Langford Spencer	<i>St. Paul, Minn.</i>	161 F.
Clinton Spencer	<i>Suffield</i>	134 F.
Walter Squires	<i>New York City</i>	218 D.
Charles Martin Stone	<i>Binghamton, N. Y.</i>	161 F.
Edgar Heathcote Stone	<i>Sioux City, Iowa</i>	162 F.
Theodore Chester Strong	<i>Pittston, Pa.</i>	147 F.
William Howard Taft	<i>Cincinnati, O.</i>	158 F.
Inajiro Taneka Tajiri	<i>Kagoshima, Japan</i>	6 Trumbull st.
Arthur Bailey Taylor	<i>Springfield, Mass.</i>	202 D.
William Henry Taylor	<i>Chicago, Ill.</i>	124 N.
William Howard Taylor	<i>Brookline, Mass.</i>	74 High st.

Joseph Irving Tayntor	<i>Marlboro', Mass.</i>	92 N. M.
Edmund Roderick Terry	<i>Brooklyn, N. Y.</i>	155 F.
Joseph Almon Ticknor	<i>New Marlboro', Mass.</i>	108 N.
George Trowbridge	<i>New York City</i>	2 S.
John Trumbull	<i>Valparaiso, Chili</i>	164 F.
James Riedell Tucker	<i>Durham</i>	74 N. M.
Harold Sheffield Van Buren	<i>Englewood, N. Y.</i>	169 F.
William Allen Van Buren	<i>Covington, Ky.</i>	113 N.
Ambrose Lee Wager	<i>Rhinebeck, N. Y.</i>	135 F.
George Richard Walker	<i>Akron, O.</i>	172 George st.
William Everett Waters	<i>Cincinnati, O.</i>	113 N.
Benjamin Rush Wendell	<i>Cazenovia, N. Y.</i>	220 D.
Frank Baldwin Wesson	<i>New York City</i>	239 D.
Holland Stratford Whiting	<i>New York City</i>	76 N. M.
Edward Baldwin Whitney	<i>New Haven</i>	162 F.
George Patten Whittlesey	<i>Washington, D. C.</i>	129 F.
Marion Wilcox	<i>New Haven</i>	15 York sq.
Reynold Webb Wilcox	<i>Madison</i>	17 S.
Charles Kemble Woodbury	<i>Norwalk</i>	172 F.
Clarence Samuel Woodruff	<i>Wilkes Barre, Pa.</i>	6 Library st.
Thomas Cook Wordin	<i>Bridgeport</i>	172 F.
Rudolf Wurts	<i>New Haven</i>	204 D.
William Lawrence Ross Wurts	<i>Paterson, N. Y.</i>	204 D.

JUNIORS, 137

## SOPHOMORE CLASS

Edwin Morgan Adee	<i>Westchester, N. Y.</i>	143 York st.
Charles Francis Aldrich	<i>Worcester, Mass.</i>	42 S. M.
William Palmer Allen	<i>Auburn, N. Y.</i>	57 S. M.
Theodore Bedell Armstrong	<i>Owego, N. Y.</i>	60 S. M.
William Cooper Asay	<i>Chicago, Ill.</i>	458 Chapel st.
Charles Brewster Atwater	<i>Bridgeport</i>	109 N.
Otis Elihu Atwater	<i>Brattleboro, Vt.</i>	13 Trumbull st.
Hugh Dudley Auchincloss	<i>New York City</i>	59 W. D. H.
William Ward Bailey	<i>New Haven</i>	185 Temple st.
Ralph Barker	<i>New York City</i>	42 S. M.
Thomas Rossiter Barnum	<i>New Haven</i>	38 Humphrey st.
Augustus Wood Bell	<i>Morristown, N. Y.</i>	464 Chapel st.
Poultney Bigelow	<i>Highland Falls, N. Y.</i>	121 W. D. H.
Edward Tyler Blair	<i>Chicago, Ill.</i>	143 F.
Louis Norman Booth	<i>Bridgeport</i>	82 Wall st.
Edward Augustus Bowers	<i>New Haven</i>	117 Crown st.
Lloyd Wheaton Bowers	<i>Elizabeth, N. Y.</i>	464 Chapel st.
Calus Cobb Bragg	<i>Cincinnati, O.</i>	40 S. M.

Lorenzo Cary Brooks	Chicago, Ill.	62 W. D. H.
William Livingston Bruen	Washington, D. C.	139 F.
Harry Austin Buffum	Great Falls, N. H.	44 S. M.
Jonathan Bulkley	Brooklyn, N. Y.	464 Chapel st.
Lucien Francis Burpee	Rockville	191 C.
Henry Allen Bushnell	Saybrook	82 N. M.
Donald Yorke Campbell	Oakland, Cal.	59 S. M.
Augustus Stiles Carrier	Erie, Pa.	84 N. M.
Ernest Carter	Chicago, Ill.	61 S. M.
Lung Chun	Hien Shang, China	138 F.
Martin Clark	Buffalo, N. Y.	6 Library st.
Aaron Van Schaick Cochrane	Coxsackie, N. Y.	82 N. M.
Macgrane Cox	Huntsville, Ala.	157 George st.
Oliver Turnbull Crane	Morristown, N. J.	464 Chapel st.
Henry Cooper Crouch	Kingston, N. Y.	126 High st.
John Guy Crump	New London	48 S. M.
John William Curtiss	Watertown	38 S. M.
Julian Wheeler Curtiss	Fairfield	38 S. M.
David Daggett	New Haven	60 Wall st.
Louis Shepard DeForest	New Haven	Compton st.
Arthur Cushing Dill	New Haven	186 C.
Henry Herbert Donaldson	New York City	64 S. M.
James Webster Eaton	Albany, N. Y.	464 Chapel st.
Newell Avery Eddy	Bangor, Me.	43 S. M.
Gerard Morris Edwards	New York City	420 Chapel st.
Charles Mitchell Fabrique	New Haven	5 Springfield st.
Frank Clifton Fairchild	Newark, N. J.	193 C.
John Villiers Farwell	Chicago, Ill.	143 F.
Edward Hart Fenn	Hartford	420 Chapel st.
David Fleischman	Albany, N. Y.	167 F.
Samuel Peters Fosdick	Stamford	46 S. M.
George Forris Foster	Grand Rapids, Mich.	156 York st.
Samuel Monell Foster	Newburgh, N. Y.	57 W. D. H.
Edward Stacy Fowler	Millbury, Mass.	188 C.
John Milton Fox	Salem	96 York st.
John Lester Franklin	New Haven	34 Trumbull st.
Roscoe Rush Giltner	Oakland, Cal.	49 S. M.
Henry Sherwood Green	New Milford	1 S.
Robert Ryers Griswold	Binghamton, N. Y.	6 Library st.
Otis Clay Hadley	Danville, Ind.	56 S. M.
William Denison Hatch	New York City	48 S. M.
Amos Hatheway	Willimantic	6 Library st.
William Whitney Hawkes	New Haven	9 Park st.
Howard Wortley Hayes	Newark, N. J.	57 S. M.
Edwin Cooper Haynie	Springfield, Ill.	59 S. M.
John Jacob Hill	Pittsburgh, Pa.	6 College st.
James William Hillhouse	Montville	63 W. D. H.
Henry Hitchcock	St. Louis, Mo.	61 S. M.
Leonard Milton Hodges	Chicago, Ill.	81 N. M.

Louis Howland	<i>Indianapolis, Ind.</i>	58 W. D. H.
William Colburn Husted	<i>Brooklyn, N. Y.</i>	114 College st.
Frank Eldridge Hyde	<i>Hartford</i>	56 S. M.
Lewis Huntington Hyde	<i>Norwich</i>	503 Chapel st.
Walter Belknap James	<i>Baltimore, Md.</i>	55 S. M.
Frank Jones	<i>Kansas City, Mo.</i>	127 Ward st.
Herbert Samuel Jones	<i>South Sudbury, Mass.</i>	65 N. M.
Elisha Brooks Joyce	<i>New York City</i>	65 W. D. H.
Edward James Judd	<i>Chicago, Ill.</i>	60 S. M.
Bruce Smith Keator	<i>Roxbury, N. Y.</i>	I S.
John William Keller	<i>Paris, Ky.</i>	66 N. M.
George Morrill Kimball	<i>Concord, N. H.</i>	116 W. D. H.
Samuel Ayr Kimball	<i>Bath, Me.</i>	33 S. M.
George Washington Kirchwey	<i>Albany, N. Y.</i>	73 N. M.
William Armstrong Labaree	<i>Cincinnati, O.</i>	190 C.
Gilbert Dimock Lamb	<i>Franklin</i>	41 High st.
Charles Henry Leete	<i>Potsdam, N. Y.</i>	73 N. M.
George Lester Lewis	<i>Buffalo, N. Y.</i>	6 Library st.
George Sigmund Linde	<i>New Haven</i>	135 Congress av.
David Charles Lines	<i>Woodbridge</i>	Tremont House
Charles Herbert Livermore	<i>North Haven</i>	103 N.
Edmund Pendleton Livingston	<i>New York City</i>	46 S. M.
Herman Livingston	<i>New York City</i>	432 Chapel st.
Frank Bey Ludeling	<i>Monroe, La.</i>	45 S. M.
Harry Lyne	<i>Augusta, Ill.</i>	126 High st.
George Lodowick McAlpine	<i>New York City</i>	432 Chapel st.
Hugh Copeland McCord	<i>Bridgeport</i>	33 S. M.
Malcolm McIvor McKenzie	<i>New Haven</i>	244 Orchard st.
Henry Hubbell McNair	<i>Lima, N. Y.</i>	71 York st.
Henry Maltzberger	<i>Reading, Pa.</i>	66 N. M.
Frank Wanzer Marsh	<i>New Milford</i>	188 C.
Thomas Brunton Marston	<i>Chicago, Ill.</i>	65 W. D. H.
James William Martin	<i>Freeport, Ill.</i>	132 College st.
Ivan Matthias Marty	<i>Kansas City, Mo.</i>	182 L.
Frauk Maxon	<i>Schenectady, N. Y.</i>	217 D.
Charles Loveland Merriam	<i>West Meriden</i>	190 C.
William Carter Merritt	<i>Oakland, Cal.</i>	182 L.
James Stetson Metcalfe	<i>Buffalo, N. Y.</i>	432 Chapel st.
Charles Miller	<i>Williston, Vt.</i>	189 C.
George Douglas Munson	<i>Wallingford</i>	103 N.
Robert Hallam Munson	<i>Williamsport, Pa.</i>	64 W. D. H.
John James Nairn	<i>Washington, D. C.</i>	138 F.
Howard Dunlap Newton	<i>Norwich, N. Y.</i>	116 W. D. H.
Edgar Barlow Nichols	<i>Easton</i>	67 N. M.
Edward McArthur Noyes	<i>Woodbury</i>	56 Garden st.
William Newton Parker	<i>New Haven</i>	64 S. M.
Charles Booth Peck	<i>Bridgeport</i>	65 N. M.
Isaac Peck	<i>Flushing, N. Y.</i>	58 W. D. H.
William Warner Penfield	<i>New Rochelle, N. Y.</i>	37 S. M.



John Orlando Perrin	<i>La Fayette, Ind.</i>	39 S. M.
Lewis Alfred Platt	<i>Waterbury</i>	192 C.
Adrian Suydam Polhemus	<i>Astoria, N. Y.</i>	61 W. D. H.
Thomas Edward Rochfort	<i>New Haven</i>	37 Bradley st.
Robert Simpson Rodman	<i>Rock Island, Ill.</i>	61 W. D. H.
Henry Lincoln Rowland	<i>Southport</i>	84 N. M.
Henry Chauncey Savage	<i>Philadelphia, Pa.</i>	462 Chapel st.
William Graydon Seeley	<i>Brooklyn, N. Y.</i>	37 S. M.
Severyn Bruyn Sharpe	<i>New York City</i>	233 D.
Albert William Shaw	<i>Buffalo, N. Y.</i>	6 Library st.
John Woodruff Shepard	<i>Hartford</i>	67 N. M.
Frederic Thomas Simpson	<i>Bath, Me.</i>	187 C.
Frederick Sumner Smith	<i>New Haven</i>	78 Trumbull st.
George Waldo Flint Smith	<i>Potsdam, N. Y.</i>	73 N. M.
William Henry Smith	<i>Brooklyn, N. Y.</i>	44 S. M.
John George Christopher Sonn	<i>Newark, N. J.</i>	193 C.
Edward Southworth	<i>West Springfield, Mass.</i>	139 High st.
Louis Lee Stanton	<i>New York City</i>	62 S. M.
Thomas Wells Stiles	<i>New Haven</i>	86 Whitney av.
Frederic Abbot Stokes	<i>Detroit, Mich.</i>	64 W. D. H.
Willis Edson Story	<i>Milwaukee, Wisc.</i>	54 S. M.
Delevan Sumner Sweet	<i>Phanix, N. Y.</i>	71 York st.
Louis Judson Swinburne	<i>Albany, N. Y.</i>	46 Prospect st.
Louis DuPont Syle	<i>Yedo, Japan</i>	186 C.
Henry James Ten Eyck	<i>Albany, N. Y.</i>	63 S. M.
Arthur Hutchinson Terry	<i>Southold, N. Y.</i>	192 C.
John Taylor Terry	<i>Irvington, N. Y.</i>	55 W. D. H.
Oliver David Thompson	<i>Butler, Pa.</i>	211 D.
Ambrose Tighe	<i>Brooklyn, N. Y.</i>	62 S. M.
James Duncan Torreyson	<i>Carson City, Nev.</i>	47 S. M.
Winston John Trowbridge	<i>New Haven</i>	221 Church st.
Herbert Marshall Tufts	<i>Utica, N. Y.</i>	211 D.
Fred. Pierson Tuttle	<i>Oakland, Cal.</i>	47 S. M.
Otis Harvey Waldo	<i>Milwaukee, Wisc.</i>	636 Chapel st.
George Dutton Watrous	<i>New Haven</i>	63 Whitney av.
Benjamin Webster	<i>Bethlehem, Pa.</i>	53 S. M.
Harry Kellogg Willard	<i>Washington, D. C.</i>	57 W. D. H.
Samuel Porter Willard	<i>Colchester</i>	189 C.
Frederick Wells Williams	<i>Utica, N. Y.</i>	464 Chapel st.
John Eastman Wilson	<i>Rockville</i>	191 C.
Mardon Dewees Wilson	<i>Philadelphia, Pa.</i>	186 C.
Mountford Samuel Wilson	<i>San Francisco, Cal.</i>	101 W. D. H.
Timothy Lester Woodruff	<i>Brooklyn, N. Y.</i>	40 S. M.
Frank Alexander Wright	<i>Goshen, N. Y.</i>	53 S. M.

SOPHOMORES, 160

## FRESHMAN CLASS

Henry Wilbur Aiken	<i>Millbury, Mass.</i>	112 N.
William Lafayette Allen	<i>Brooklyn, N. Y.</i>	163 Temple st.
John Arnold Amundson	<i>Rochester, Minn.</i>	19 Court st.
Wilmore Anway	<i>Florida, N. Y.</i>	94 N. M.
Cecil Kent Austin	<i>Philadelphia, Pa.</i>	464 Chapel st.
Frank Hamilton Ayer	<i>Nashua, N. H.</i>	170 George st.
Charles Platt Barker	<i>Brooklyn, N. Y.</i>	125 High st.
William DeLuce Barnes	<i>Brooklyn, N. Y.</i>	113 College st.
John Dowd Bassett	<i>New Haven</i>	131 Dwight st.
George Benedict	<i>Bethel</i>	111 N.
Willis Benner	<i>Astoria, N. Y.</i>	464 Chapel st.
Edward Manross Bentley	<i>Ellenville, N. Y.</i>	94 N. M.
William Darius Bishop	<i>Bridgeport</i>	109 N.
Conrad Berens	<i>Philadelphia, Pa.</i>	193 Temple st.
Charles Franklin Bliss	<i>New Haven</i>	665 Chapel st.
William Bishop Boomer	<i>Chicago, Ill.</i>	464 Chapel st.
Frank Wilson Booth	<i>Bennington, Vt.</i>	136 College st.
Frederick Brooks	<i>Rye, N. Y.</i>	464 Chapel st.
George Artemas Brown	<i>Barre, Mass.</i>	66 W. D. H.
Walter Hull Buell	<i>Madison</i>	127 N.
Henry Bunn	<i>Springfield, Ill.</i>	153 Crown st.
John Edward Bushnell	<i>Old Saybrook</i>	127 N.
George Whitfield Butts	<i>Providence, R. I.</i>	90 High st.
Walter Chauncey Camp	<i>New Haven</i>	595 Chapel st.
Frank Parker Chamberlain	<i>New York City</i>	41 College st.
Walter Henry Chapin	<i>Agawam, Mass.</i>	7 Springfield st.
Irving Hall Chase	<i>Waterbury</i>	526 Chapel st.
George Henry Clark	<i>Hartford</i>	60 W. D. H.
Henry Tisdale Coggeshall	<i>Newport, R. I.</i>	258 Orange st.
Frank Beach Curtis	<i>Birmingham</i>	532 Chapel st.
Frank Moody Curtiss	<i>Yonkers, N. Y.</i>	171 F.
William Gibbons Daggett	<i>New Haven</i>	60 Wall st.
Elias Wyman Davis	<i>Worcester, Mass.</i>	162 York st.
William Wheeler deForest	<i>New York City</i>	9 Library st.
John Marshall Douglas	<i>Chicago, Ill.</i>	76 High st.
Andrew Penrose Lusk Dull	<i>Harrisburg, Pa.</i>	55 S. M.
Wilton Nathaniel Eddy	<i>Jamestown, N. Y.</i>	120 College st.
Harris Pleydell Edmonson	<i>Little Rock, Ark.</i>	136 Crown st.
Cyrus Emery	<i>New Haven</i>	35 Howe st.
Asa John Farwell	<i>Hartford</i>	222 Crown st.
Thomas Legare Fenn	<i>Jersey City, N. J.</i>	78 N. M.
William Mathews Finney	<i>South Ryegate, Vt.</i>	64 High st.
John Brewster Fitch	<i>New Haven</i>	77 Broadway
Peter Flint	<i>Port Henry, N. Y.</i>	133 St. John st.

Frank Goodrich	<i>Auburn, N. Y.</i>	250 Crown st.
Henry Lee Gower	<i>New Haven</i>	309 Orange st.
Edmund Frank Green	<i>Oakland, Cal.</i>	84 Wall st.
William Milne Grinnell	<i>New York City</i>	531 Chapel st.
Charles Willard Haines	<i>Colchester</i>	128 N.
Edwin Cæsar Malan Hall	<i>Fair Haven</i>	357 Grand st.
William Montague Hall	<i>New Haven</i>	15 Home pl.
Robert William Hardie	<i>Albany, N. Y.</i>	121 Elm st.
John Slosson Harding	<i>Wilkes Barre, Pa.</i>	149 York st.
William Hudson Harper	<i>Washington, D. C.</i>	24 College st.
William Thorn Haviland	<i>Bridgeport</i>	109 N.
Wyllys Anderson Hedges	<i>Helena City, Montana</i>	643 Chapel st.
Gerard Charles Hegeman	<i>Brooklyn, N. Y.</i>	109 Elm st.
John Philip Helfenstein	<i>Philadelphia, Pa.</i>	120 High st.
William Burr Hill	<i>New Haven</i>	35 Elliott st.
Alfred Edwards Hooker	<i>New Haven</i>	62 Prospect st.
Frank Whetstone Hopkins	<i>Cincinnati, O.</i>	149 York st.
James Mason Hoppin	<i>New Haven</i>	47 Hillhouse av.
William Parmlee Hotchkiss	<i>New Haven</i>	21 Park st.
John Tomlinson Hubbard	<i>Litchfield</i>	110 N.
Arthur Hutchins	<i>Houston, Tex.</i>	41 Howe st.
Waldo Hutchins	<i>New York City</i>	82 Wall st.
William Forrest Hutchison	<i>Norwich</i>	86 Wall st.
James Warren Ingalls	<i>Putnam</i>	96 N. M.
William Reynolds Innis	<i>Poughkeepsie, N. Y.</i>	37 College st.
George Snow Isham	<i>Chicago, Ill.</i>	76 High st.
Henry Ives	<i>New Haven</i>	274 Orange st.
Walter Jennings	<i>Fairfield</i>	464 Chapel st.
Frederic William Keator	<i>Moline, Ill.</i>	162 York st.
Dana William Kellogg	<i>Hartford</i>	222 Crown st.
William Swift Keyser	<i>Milton, Fla.</i>	9 Library st.
Preston King	<i>Minneapolis, Minn.</i>	143 York st.
Edward Weston Knevals	<i>Fordham, N. Y.</i>	215 Crown st.
Oscar Alexander Knight	<i>Camden, Me.</i>	170 George st.
Spencer Thien Lok Laisun	<i>Shanghai, China</i>	120 College st.
Samuel Waldron Lambert	<i>New York City</i>	464 Chapel st.
Richard Hays McDonald	<i>Sacramento, Cal.</i>	79 York st.
Wilson Cary McHenry	<i>Baltimore, Md.</i>	464 Chapel st.
Robert DeLosse Martin	<i>Tiffin, O.</i>	93 N. M.
Simon Charles Metzger	<i>New Haven</i>	17 Grove st.
Remsen Varick Messler	<i>Pittsburgh, Pa.</i>	526 Chapel st.
Frederick Stillman Morrison	<i>Holyoke, Mass.</i>	36 High st.
Thomas Robert Morrow	<i>Hartford</i>	41 High st.
William D. Murray	<i>Plainfield, N. J.</i>	36 High st.
James Edward Newcomb	<i>New London</i>	37 College st.
Henry Newman	<i>Albany, N. Y.</i>	46 Prospect st.
Charlie Lewis Nelson	<i>Columbus, O.</i>	10 York sq.
Alfred Bull Nichols	<i>Lyme</i>	162 York st.
Harold Mather North	<i>New York City</i>	78 N. M.

Edward Parish Noyes	<i>Byfield, Mass.</i>	96 N. M.
Henry Choate Ordway	<i>Hampstead, N. H.</i>	66 W. D. H.
Norris Galpin Osborn	<i>New Haven</i>	156 Olive st.
John Marshall Otis	<i>Newtown</i>	17 Wooster pl.
Wilbur Parker	<i>Cleveland, O.</i>	77 N. M.
Sidney Catlin Partridge	<i>Brooklyn, N. Y.</i>	125 N.
LeRoy Bliss Peckham	<i>Lebanon</i>	125 N.
William Allison Peters	<i>Wilkes Barre, Pa.</i>	149 York st.
Smith Franklin Phillips	<i>East Chatham, N. Y.</i>	162 York st.
John Bliss Porter	<i>Coventry</i>	24 College st.
Charles Justus Powers	<i>Davenport, Iowa</i>	9 Library st.
William Russell Purple	<i>Springfield, Mass.</i>	7 Springfield st.
Charles Newton Ransom	<i>Colchester</i>	128 N.
Dickinson Woodruff Richards	<i>Litchfield</i>	110 N.
Charles Henry Richardson	<i>Groton, Mass.</i>	5 S.
Henry King Richardson	<i>Boston, Mass.</i>	76 High st.
Edward Lyon Robinson	<i>Columbus, O.</i>	10 York sq.
Alphonso Paine Sawyer	<i>Millbury, Mass.</i>	112 N.
Doremus Scudder	<i>Brooklyn, N. Y.</i>	74 High st.
Jay Webber Seaver	<i>Craftsbury, Vt.</i>	126 N.
Robert William Selden	<i>Brandon, Vt.</i>	80 N. M.
Samuel Swanton Sewall	<i>Bath, Me.</i>	60 W. D. H.
John Foster Shepley	<i>St. Louis, Mo.</i>	116 High st.
Charles Langdon Sherman	<i>Castleton, Vt.</i>	143 York st.
William Hazard Sherman	<i>Providence, R. I.</i>	80 N. M.
Frederick Platt Skinner	<i>Owego, N. Y.</i>	426 State st.
Charles Robert Smith	<i>Green Spring, O.</i>	84 Wall st.
Frederic Morse Smith	<i>Hartford</i>	202 York st.
Grant Alexander Smith	<i>Milwaukee, Wisc.</i>	120 College st.
Edward Curran Spencer	<i>St. Paul, Minn.</i>	77 N. M.
Frank Otho Spencer	<i>Cleveland, O.</i>	100 W. D. H.
Presley Spruance	<i>Wilmington, Del.</i>	128 High st.
James Page Stinson	<i>Wiscasset, Me.</i>	Tontine Hotel
Max Stern	<i>Hartford</i>	41 High st.
Harry Waters Taft	<i>Cincinnati, O.</i>	158 F.
John Butler Coles Tappan	<i>Glen Cove, N. Y.</i>	157 George st.
Frederick Charles Train	<i>Pomeroy, O.</i>	41 Howe st.
Henry Trowbridge	<i>New Haven</i>	29 Meadow st.
Stephen Trumbull	<i>Valparaiso, Chili</i>	164 F.
Eugene Winston Walker	<i>Richmond, Ky.</i>	91 Olive st.
Wirt Dexter Walker	<i>Chicago, Ill.</i>	76 High st.
Arthur Eugene Walradt	<i>Chester, Mass.</i>	41 Howe st.
Paul Walton	<i>Ridgewood, N. J.</i>	100 W. D. H.
Edwin Carrington Ward	<i>Farmington</i>	222 Crown st.
James Herbert Watson	<i>Brooklyn, N. Y.</i>	163 Temple st.
Jacob Louis Webb	<i>New York City</i>	38 Hillhouse av.
Linard Campbell Webster	<i>Granville, O.</i>	102 Dwight st.
David Collin Wells	<i>Fayetteville, N. Y.</i>	93 N. M.
Ten Eyck Wendell	<i>Cazenovia, N. Y.</i>	220 D.

Frank Henry Wheeler	<i>Fair Haven</i>	215 Crown st.
Wilson Curtiss Wheeler	<i>New Haven</i>	105 Dwight st.
George Dana White	<i>Norwood, N. J.</i>	24 Hillhouse av.
William Wallace Whiting	<i>Ansonia</i>	201 Crown st.
Heman Charles Whitteley	<i>Newington</i>	202 York st.
Charles Albert Wight	<i>North Hatfield, Mass.</i>	111 N.
Laurence Wilkinson	<i>Greenwich</i>	Tontine Hotel
William John Thomas Wilson	<i>Cincinnati, O.</i>	149 York st.
Walter Crafts Witherbee	<i>New York City</i>	46 Prospect st.
John Francis Woodhull	<i>Groton</i>	126 N.
Charles Ezekiel Woods	<i>Mobile, Ala.</i>	153 Crown st.
Charles Pemberton Wurts	<i>New Haven</i>	65 Whitney av.

FRESHMEN, 154

## SHEFFIELD SCIENTIFIC SCHOOL

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### GOVERNING BOARD

REV. NOAH PORTER, D.D., LL.D., PRESIDENT

GEORGE J. BRUSH, M.A., *Chairman and Executive Officer*

WILLIAM A. NORTON, M.A.

REV. CHESTER S. LYMAN, M.A.

WILLIAM D. WHITNEY, Ph.D., LL.D.

WILLIAM P. TROWBRIDGE, M.A.

SAMUEL W. JOHNSON, M.A.

WILLIAM H. BREWER, M.A.

JOHN E. CLARK, M.A.

DANIEL C. EATON, M.A.

THOMAS R. LOUNSBURY, B.A.

OTHNIEL C. MARSH, M.A.

FRANCIS A. WALKER, Ph.D.

OSCAR D. ALLEN, Ph.D.

ADDISON E. VERRILL, M.A.

WILLIAM G. MIXTER, Ph.B.

SIDNEY I. SMITH, Ph.B.

## GRADUATE STUDENTS

Thomas Marcus Blakslee, PH.B. } Madison University	<i>Hamilton, N. Y.</i>	36 Prospect st.
Francis Elwood Brown, PH.B.	<i>West Haven</i>	West Haven
Clarendon Cobb Bulkley, B.A. } Trinity College	<i>Lebanon, N. H.</i>	23 Lyon st.
Lloyd Joseph Caswell, PH.B.	<i>Norwich</i>	
Russell Henry Chittenden, PH.B.	<i>New Haven</i>	23 Humphrey st.
Stanley Forbes, PH.B.	<i>San Francisco, Cal.</i>	109 York st.
Edward Livingston Ford, PH.B.	<i>Buffalo, N. Y.</i>	48 College st.
George Bird Grinnell, B.A.	<i>New York City</i>	6 Library st.
Oscar Harger, M.A.	<i>New Haven</i>	14 University pl.
George Wesson Hawes, PH.B.	<i>Boston, Mass.</i>	14 S. H.
Oliver Perry Hay, M.A. and } Prof. Nat. Sci., Oskaloosa College	<i>Oskaloosa, Iowa</i>	30 Cottage st.
Henry Allen Hazen, B.A. } Dartmouth College	<i>New Haven</i>	55 N. S. H.
Charles Hildebrand, PH.B.	<i>New Haven</i>	16 Chestnut st.
Franklin Henry McClung, B.A. } East Tennessee University	<i>Knoxville, Tenn.</i>	114 High st.
Hiram Allen Miller, PH.B.	<i>New Haven</i>	47 N. S. H.
Herbert Franklin Northrup, B.A. } Middlebury College	<i>Shoreham, Vt.</i>	44 York sq. pl.
John Robert Paddock, PH.B.	<i>Cheshire</i>	Cheshire
William Beach Palmer, PH.B.	<i>Bridgeport</i>	Bridgeport
William Hampton Patton, B.A.	<i>Waterbury</i>	46 N. S. H.
William Barton Payne, B.A. } East Tennessee University	<i>Knoxville, Tenn.</i>	126 Crown st.
Frederic Noah Pease, PH.B.	<i>Ellington</i>	32 Bristol st.
Claudius Victor Pendleton, PH.B.	<i>Bosrah</i>	57 N. S. H.
Dwight Edward Pierce, PH.B.	<i>New Haven</i>	29 Prospect st.
Thomas Alexander Smith, B.A. } Muskingum College	<i>Morganville, O.</i>	38 High st.
Nathaniel Lewis Willet, B.A. } Mercer University, Ga.	<i>Macon, Ga.</i>	44 York sq. pl.

GRADUATES, 25

NOTE—These names have already been included in the list of Graduate Students on page 21.

## UNDERGRADUATE STUDENTS

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### SENIOR CLASS

William Whittlesey Abbott	<i>New Haven</i>	29 Prospect st.
William Henry Backus	<i>Cleveland, O.</i>	36 Elm st.
George Henry Bartlett	<i>North Guilford</i>	157 Church st.
Charles Coffing Beach	<i>Hartford</i>	61 Grove st.
Morris Burke Belknap	<i>Louisville, Ky.</i>	14 Lock st.
Bernard Berens	<i>Philadelphia, Pa.</i>	193 Temple st.
Arthur Lewis Betts	<i>Norwalk</i>	Westville
Frank Lewis Bidwell	<i>Kansas City, Mo.</i>	36 Elm st.
James Henry Brewster	<i>New Haven</i>	77 Wall st.
John Edwards Buddington	<i>Huntington</i>	Huntington
Frank Caldwell	<i>Carthage, O.</i>	86 W. D. H.
Joseph Gilbert Calhoun	<i>Hartford</i>	56 W. D. H.
Frederick Leonard Cowles	<i>New Haven</i>	332 Chapel st.
Henry Holbrook Curtis	<i>New York City</i>	61 Grove st.
Judson Amos Doolittle	<i>Cheshire</i>	126 High st.
Wallace Bruce Fenn	<i>New Haven</i>	191 Church st.
Burr Kellogg Field	<i>Germantown, Pa.</i>	36 Elm st.
Joachim John Francke	<i>New York City</i>	36 Elm st.
William Edgar Gard	<i>Croton, N. Y.</i>	25 Eld st.
Edward Gillette	<i>New Haven</i>	15 Columbus st.
John Elisha Morpeth Hall	<i>Brooklyn, N. Y.</i>	31 Prospect st.
William Stanley Hine	<i>Bridgeport</i>	48 College st.
Walter Holcomb	<i>New Hartford</i>	8 Lock st.
Horace Cobb Howard	<i>Townshend, Vt.</i>	36 Elm st.
Joseph Paxon Iddings	<i>Orange, N. Y.</i>	119 W. D. H.
Charles Maples Jarvis	<i>Binghamton, N. Y.</i>	36 Elm st.
Lawrence Kneeland	<i>Brooklyn, N. Y.</i>	99 Wall st.
Elijah Thien Foh Laisun	<i>Shanghai, China</i>	120 College st.
Frank Cooper Lawrence	<i>New York City</i>	488 Chapel st.
Alton Winslow Leighton	<i>New Haven</i>	137 Henry st.
Charles James Luck	<i>Rouse's Point, N. Y.</i>	44 York sq. pl.
Ferrier John Martin	<i>Orange, N. Y.</i>	189 Church st.
Charles Knox Mixer	<i>Rock Island, Ill.</i>	25 Eld st.
James Blair Murray	<i>Norwich</i>	149 College st.
Samuel Lewis Penfield	<i>Catskill, N. Y.</i>	58 Trumbull st.
Willard Nourse Pratt	<i>Elmira, N. Y.</i>	48 College st.
Nathaniel Chapin Ray	<i>West Haven</i>	271 Chapel st.
Francis Rawlinson Read	<i>Hartford</i>	90 High st.



Lucius Waterman Robinson	<i>Fair Haven</i>	464 Chapel st.
Thomas Fitch Rowland	<i>Greenpoint, N. Y.</i>	92 Chapel st.
James Alvin Scott	<i>Naugatuck</i>	189 George st.
William Thompson Sedgwick	<i>Farmington</i>	4 Library st.
Charles Dwight Smith	<i>Plantsville</i>	133 College st.
George Smith	<i>New Haven</i>	164 Elm st.
Walter Snowden Smith	<i>Cincinnati, O.</i>	458 Chapel st.
Henry Ling Taylor	<i>New York City</i>	86 W. D. H.
Arthur John Tenny	<i>New Haven</i>	126 Crown st.
Allan Mason Thomas	<i>Wickford, R. I.</i>	61 Grove st.
William Gilman Thompson	<i>New York City</i>	251 Church st.
John Abeel Weekes	<i>New York City</i>	61 Grove st.
Horace Lemuel Wells	<i>New Britain</i>	675 Chapel st.
James Harold Wickersham	<i>Lancaster, Pa.</i>	169 Temple st.
Albert Daniel Wilson	<i>Newburg, N. Y.</i>	531 Chapel st.
George Leverett Wilson	<i>West Killingly</i>	8 Lock st.
Edwin Young	<i>Honesdale, Pa.</i>	251 Church st.
		SENIORS, 55

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### JUNIOR CLASS

William Day Allen	<i>Hartford</i>	88 Wall st.
Seymour Landon Alvord	<i>West Winsted</i>	88 Wall st.
John Pomeroy Bartlett	<i>New Britain</i>	116 College st.
John Luis Blackmore	<i>City of Mexico, Mexico</i>	40 Park st.
Edward Everett Brewster	<i>West Cornwall</i>	147 York st.
Fayette Williams Brown	<i>Yonkers, N. Y.</i>	161 Temple st.
William Tyler Browne	<i>Lisbon</i>	31 Prospect st.
Lucien Lowber Burrows	<i>Decatur, Ill.</i>	120 High st.
Charles William Canfield	<i>Hartford</i>	81 Wall st.
Robert Williams Chapin	<i>Springfield, Mass.</i>	36 Elm st.
William Grover Chapin	<i>Somers</i>	193 Temple st.
Charles Samuel Churchill	<i>New Haven</i>	257 Franklin st.
Orestes Cleveland	<i>Jersey City, N. J.</i>	96 Olive st.
Walter Linsley Cowles	<i>Wallingford</i>	332 Chapel st.
Edward Caldwell Earle	<i>New Haven</i>	214 Orchard st.
Levi Abraham Eliel	<i>Chicago, Ill.</i>	62 W. D. H.
Augustus James Emery	<i>Bangor, Me.</i>	35 Howe st.
Granger Farwell	<i>Chicago, Ill.</i>	36 Elm st.
Oswin Hart Doolittle Fowler	<i>North Haven</i>	133 College st.
Cadmus Zaccheus Gordon	<i>Brookville, Pa.</i>	8 Lock st.
Rodney Granger	<i>Chicago, Ill.</i>	134 College st.
Leonard Vassall Greene	<i>Norwich</i>	134 College st.
Henry Sturges Guthrie	<i>Buffalo, N. Y.</i>	48 College st.
Ralph Augustus Harman	<i>Cleveland, O.</i>	36 Elm st.

Gerald Waldo Hart	<i>New Britain</i>	132 College st.
Walter Tillman Hart	<i>New Haven</i>	44 High st.
George Stewart Hegeman	<i>Brooklyn, N. Y.</i>	109 Elm st.
Charles Betts Hillhouse	<i>New Haven</i>	3 Hillhouse av.
Charles DeVilliers Hoard	<i>Chicago, Ill.</i>	416 Chapel st.
Robert Samuel Hulbert	<i>West Winsted</i>	8 Lock st.
Thomas Mastin Jacks	<i>Helena, Ark.</i>	112 Olive st.
Fred Beckwith Jillson	<i>Whitehall, N. Y.</i>	165 Temple st.
Willard Drake Johnson	<i>Washington, D. C.</i>	23 Prospect st.
Edward Charless LeBourgeois	<i>St. James Parish, La.</i>	464 Chapel st.
Charles Richard Lee	<i>Kenosha, Wisc.</i>	31 E. D. H.
George Webb Mason	<i>Orange, N. J.</i>	119 W. D. H.
James Philip Montjoy	<i>Lambayeque, Peru</i>	258 Orange st.
William James Perry Moore	<i>New Britain</i>	97 William st.
Frank Turner Moorhead	<i>Pittsburgh, Pa.</i>	459 Chapel st.
Frank Pierce Morrison	<i>Santa Clara, Cal.</i>	61 Grove st.
Frank Tracy Watkins Palmer	<i>Chicago, Ill.</i>	464 Chapel st.
James Henry Pierce	<i>Santa Clara, Cal.</i>	
George Henry Potts	<i>Pittstown, N. J.</i>	161 Temple st.
William Eckhardt Raht	<i>Cleveland, Tenn.</i>	90 Grove st.
Edward Townsend Reed	<i>Albany, N. Y.</i>	61 Grove st.
Charles Theodore Richmond	<i>Johnsonville, N. Y.</i>	165 Temple st.
Edward Kilbourn Roberts	<i>New Haven</i>	8 Brown st.
Harold Roorbach	<i>New York City</i>	104 Grove st.
Edward Hubbard Russell	<i>New Haven</i>	19 Wooster pl.
Rufus Henry Skeel	<i>Newburgh, N. Y.</i>	193 Temple st.
Edward Herndon Smith	<i>Brooklyn, N. Y.</i>	36 Elm st.
William Annin Vliet	<i>Cleveland, O.</i>	193 Temple st.
George Augustus Wall	<i>Providence, R. I.</i>	36 Elm st.
Ebin Jennings Ward	<i>New Haven</i>	523 Chapel st.
Walter Watson	<i>Northampton, Mass.</i>	90 Grove st.
Francis Dana Winslow	<i>Washington, D. C.</i>	165 Temple st.

JUNIORS, 56

## FRESHMAN CLASS

Frederick Innis Allen	<i>Auburn, N. Y.</i>	132 College st.
William Armour	<i>Chicago, Ill.</i>	143 York st.
Harry Washington Asher	<i>New Haven</i>	6 Orange st.
William Montgomery Atwater	<i>New Haven</i>	15 Elm st.
Charles Ketchum Averill	<i>Bridgeport</i>	136 Crown st.
Charles Rufus Ayres	<i>Woodmont</i>	149 College st.
Rogers Clark Ballard	<i>Louisville, Ky.</i>	149 College st.
Samuel Eben Barney	<i>New Haven</i>	110 Olive st.
George Frederick Hunter Bartlett	<i>Buffalo, N. Y.</i>	136 Crown st.
Lindon Bates	<i>Chicago, Ill.</i>	523 Chapel st.
Joseph Bidleman Bissell	<i>Lakeville</i>	129 College st.
Malcom Booth	<i>South Kingston, R. I.</i>	17 Wooster pl.
William Brooks Cabot	<i>Brattleboro, Vt.</i>	86 Wall st.
Harry Osborn Carrington	<i>New Haven</i>	527 Chapel st.
Joseph Arthur Chanute	<i>New York City</i>	126 High st.
Frederick Burr Clemmons	<i>New Haven</i>	162 Putnam st.
William James Comstock	<i>Toledo, O.</i>	133 College st.
Albert William Congdon	<i>Brooklyn, N. Y.</i>	167 Temple st.
John Howard Cromwell	<i>Cranford, N. J.</i>	122 College st.
Charles Edward Davis	<i>Indianapolis, Ind.</i>	86 Wall st.
Arthur Melancthon Diggles	<i>Tarrytown, N. Y.</i>	134 College st.
Charles Thompson Dodd	<i>West Meriden</i>	26 Trumbull st.
Arthur Dodge	<i>Stamford</i>	140 Edwards st.
Joseph Caldwell Earle	<i>New Haven</i>	214 Orchard st.
George Clarence Egan	<i>Chicago, Ill.</i>	84 Wall st.
Emerson Young Foote	<i>New Haven</i>	113 Park st.
Norman Norton Fowler	<i>Agawam, Mass.</i>	1 Whalley av.
John Currier Gallagher	<i>New Haven</i>	21 Olive st.
Jonathan Godfrey	<i>Southport</i>	41 College st.
Frank Hanson Harrison	<i>Indianapolis, Ind.</i>	15 Home pl.
Harry Dudley Hibbard	<i>Woodside, N. Y.</i>	149 York st.
Frank Hillhouse	<i>New Haven</i>	3 Hillhouse av.
Shannon Buntin Hubbard	<i>Sandusky, O.</i>	147 York st.
Charles Perry Hull	<i>Lebanon</i>	44 York sq. pl.
Russell Hurd	<i>Huntington, N. Y.</i>	129 College st.
John Jewett	<i>Brooklyn, N. Y.</i>	86 Wall st.
Frederick Augustus Jones	<i>Newark, N. J.</i>	165 Temple st.
George Campbell Law	<i>Wilkes Barre, Pa.</i>	165 Temple st.
Alfred Dennis Lewis	<i>Bridgeport</i>	147 York st.
George Walker Meeker	<i>Chicago, Ill.</i>	86 Wall st.
John Moorhead	<i>Pittsburgh, Pa.</i>	48 College st.
Edward Delavan Nelson	<i>New York City</i>	134 College st.
Walter Nordhoff	<i>Alpine, N. J.</i>	145 York st.
Frederick Wallace Paramore	<i>St. Louis, Mo.</i>	167 Temple st.
Robert Wilson Patrick	<i>Omaha, Nebr.</i>	531 Chapel st.

Isaac Marion Rosenthal	<i>Rochester, N. Y.</i>	35 Howe st.
Joseph Addison Sandford	<i>Ware, Mass.</i>	27 Prospect st.
Edward Rupert Sargent	<i>New Haven</i>	132 Wooster st.
George Augustus Saunders	<i>Newport, R. I.</i>	43 Whitney av.
William Seth Silsby	<i>Seneca Falls, N. Y.</i>	143 York st.
Edward Henry Sleight	<i>Moline, Ill.</i>	27 Prospect st.
Herbert Eugene Smith	<i>Hartford</i>	1 Whalley av.
Thaddeus Henry Spencer	<i>Suffield</i>	69 Bradley st.
Isaiah Kidder Stetson	<i>Bangor, Me.</i>	126 High st.
Daniel Eddie Stone	<i>Cleveland, O.</i>	162 York st.
Michael Lucas Sullivan	<i>Burr Oaks, Ill.</i>	157 George st.
Arthur Stoddard Van Voorhis	<i>New York City</i>	94 Grove st.
John Thomas Waring	<i>Yonkers, N. Y.</i>	161 Temple st.
Albert Lowery Webster	<i>Bethlehem, Pa.</i>	124 High st.
Charles Seward Wilcox	<i>Painesville, O.</i>	136 College st.
Walter Smith Williams	<i>Evanston, Ill.</i>	84 Wall st.
Charles Henry Wilmerding	<i>Hartford</i>	29 Prospect st.
Eugene Benjamin Wilson	<i>Elisabeth, N. Y.</i>	147 York st.
		FRESHMEN, 63

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SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE.

Thomas Attwater Bostwick	<i>New Haven</i>	162 Olive st.
Luther Chamberlain Bragg	<i>Milford, Mass.</i>	59 Trumbull st.
William Thomas Cochrane	<i>Durham, Ontario</i>	119 Greene st.
Robert Haggert	<i>Brampton, Ontario</i>	119 Greene st.
Joseph Waldo Jewett	<i>New Haven</i>	153 Church st.
Clinton Hart Merriam	<i>Locust Grove, N. Y.</i>	42 Whitney av.
Edmond Beecher Wilson	<i>Geneva, Ill.</i>	58 N. S. H.

SPECIAL STUDENTS, 7

# SCHOOL OF THE FINE ARTS

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## FACULTY

REV. NOAH PORTER, D.D., LL.D., PRESIDENT

JOHN F. WEIR, N.A., M.A., *Director*

JOHN H. NIEMEYER, M.A.

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FREDERIC R. HONEY, *Instructor in Perspective*

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## LECTURERS FOR 1876-77

PARKE GODWIN, *New York City*

JOHN LA FARGE, *Newport, R. I.*

CHARLES E. NORTON, *Cambridge, Mass.*

EDWARD E. SALISBURY, *New Haven*

DONALD G. MITCHELL, *New Haven*

---

JOLINE B. SMITH, *Librarian*

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## STUDENTS

Emma H. Bacon	<i>Meriden</i>
Walter H. Blakslee	<i>New Haven</i>
Harriette R. Brown	<i>New Haven</i>
Julie I. Coe	<i>New Haven</i>
Jessalyn A. Couch	<i>Middlefield</i>
Lucy M. Dungan	<i>New Haven</i>
Laura B. Dunham	<i>Hartford</i>
Carrie S. Gold	<i>West Cornwall</i>
Sarah G. Henriques	<i>Ann Arbor, Mich.</i>
William P. Jones	<i>West Meriden</i>
Helen E. Leonard	<i>Seymour</i>
Charles R. Loomis	<i>Hartford</i>
Louise Powe	<i>Ansonia</i>
Edith Reilly	<i>New Haven</i>
Edward P. Sperry	<i>New Haven</i>
Jessie A. Weir	<i>New Haven</i>

In addition to the above, sixty-five undergraduate students of the Sheffield Scientific School are receiving instruction in Drawing in the Art School.

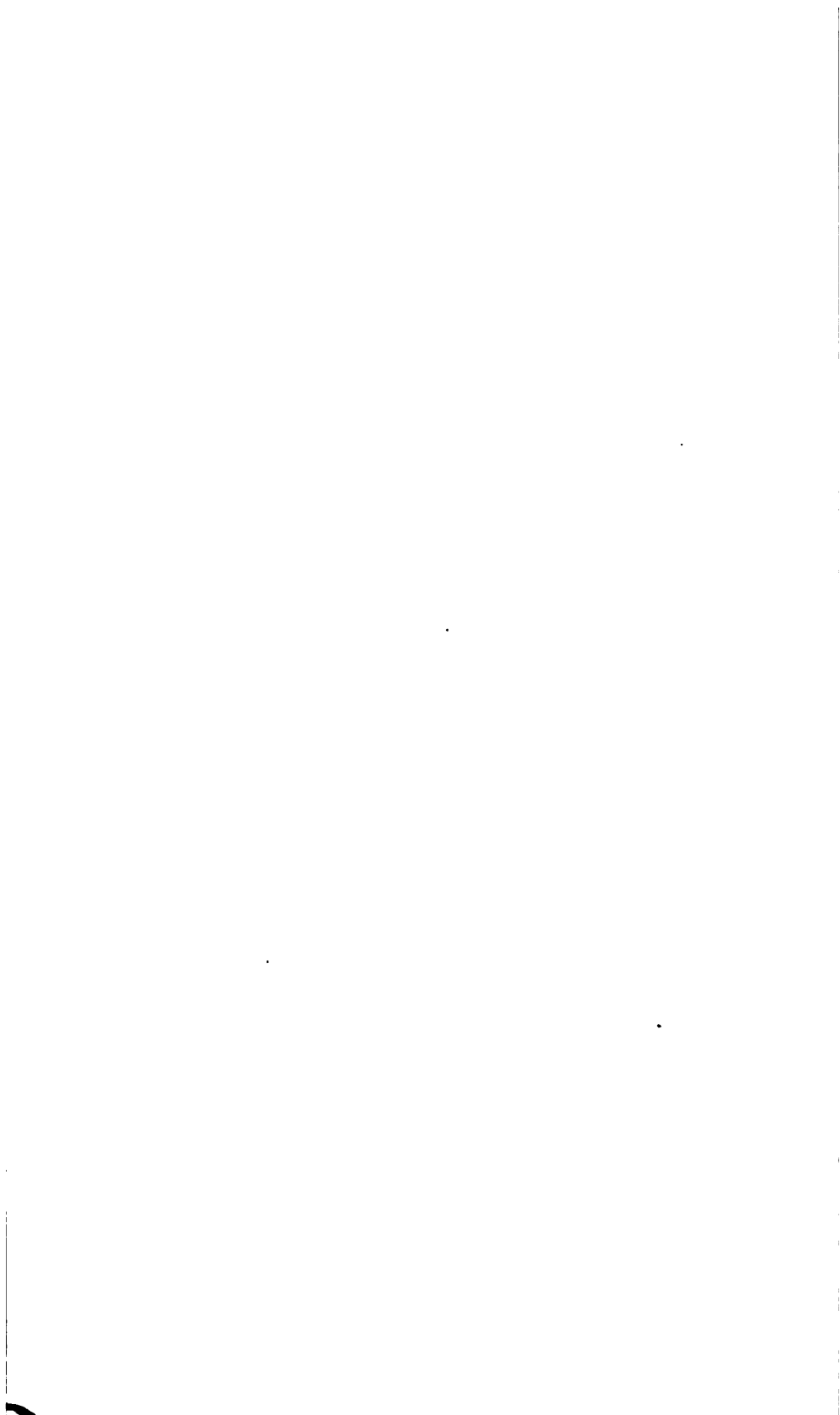
## SUMMARY OF STUDENTS

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THEOLOGICAL DEPARTMENT	-	-	-	-	95
LAW DEPARTMENT	-	-	-	-	60
MEDICAL DEPARTMENT	-	-	-	-	36

### DEPARTMENT OF PHILOSOPHY AND THE ARTS:—

GRADUATE STUDENTS	-	-	-	67	
SPECIAL STUDENTS	-	-	-	2	
UNDERGRADUATE ACADEMICAL STUDENTS				569	
SHEFFIELD SCIENTIFIC SCHOOL	-		-	206	
SCHOOL OF THE FINE ARTS	-		-	16	
				<hr/>	860
					<hr/>
					1051
Deduct for names inserted twice			-	30	
				<hr/>	
Total	-	-	-	-	1021



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## GENERAL STATEMENT

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The departments of instruction in YALE COLLEGE are comprehended under four divisions, as follows :

The Faculty of THEOLOGY,  
of MEDICINE,  
of LAW,  
of PHILOSOPHY AND THE ARTS.

Under the last-named Faculty are included, the COURSES FOR GRADUATE INSTRUCTION, the UNDERGRADUATE ACADEMICAL DEPARTMENT, the UNDERGRADUATE SECTION OF THE SHEFFIELD SCIENTIFIC SCHOOL, and the SCHOOL OF THE FINE ARTS—each having a distinct organization.

In the particular statements which follow, the Department of Philosophy and the Arts is first given, with its subdivisions in the order named ; and afterwards the three Professional Departments.

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The legal designation of the Corporation is "THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN."



## DEPARTMENT OF PHILOSOPHY AND THE ARTS

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### Instruction for Graduates and Special Students

Graduates of this and other Colleges, and other persons of liberal education (not less than eighteen years old), are received as students for longer or shorter periods, with or without reference to the attainment of a degree.

An Executive Committee, designated by the Faculty, has a general oversight of the students in this department. The Committee this year is composed of Professors Whitney, Newton, Brush, and Wheeler. They receive the names of applicants for instruction, and judge and approve the courses of study proposed; and information may be obtained from them as to conditions, terms, etc. Students may also make special arrangements with any instructor according to their mutual convenience.

Instruction is given partly by lectures, partly by recitations and by oral and written discussions, partly by directing courses of reading, and partly by work in the laboratories and with instruments.

The terms and vacations correspond with those in the Undergraduate Departments. (See Calendar, p. 4)

The fee for instruction in the Scientific School is \$150 a year; in the other sections of the Department generally \$100, or more or less, according to the course pursued and the amount of instruction received.

The Degree of DOCTOR OF PHILOSOPHY is conferred upon those who, having already taken a Bachelor's degree, implying a course of undergraduate study equivalent to that pursued in the Academical Department, engage as students in this department for not less than two years in assiduous and successful study. It is not given, upon examination, to those whose studies are pursued elsewhere. The requirements for it will in some cases exact of the student more than two years

of labor; so, especially, wherever the course of undergraduate study has been of less than four years. The candidate must pass a satisfactory final examination, and present a thesis giving evidence of high attainment in the branches of knowledge to which he has attended. A good knowledge of Latin, German, and French will be required in all cases, unless, for some exceptional reason, the candidate be excused by the Faculty. The graduating fee is ten dollars.

The courses of instruction given in the department may be grouped as follows:

### *I. Political Science, History, Philosophy, and English Literature*

President PORTER will instruct in psychology and philosophy, in the history of philosophy, and in ethics.

Ex-President WOOLSEY will lecture on the principles of international law.

Professor BREWER will instruct in the relations of physical geography to political history.

Professor WHEELER will instruct in the history of Europe from 1760 to 1848, with a special course of lectures on the French Revolution.

Professor WALKER will instruct in public finance and the statistics of industry.

Professor SUMNER will instruct in International Law, and will lecture on Institutional Self-government, and on Finance.

Professor BEERS will instruct in the history of English literature.

### *II. Philology*

Professor THACHER will give instruction in such Latin authors as may be agreed upon.

Mr. J. H. TRUMBULL will instruct in the American Indian languages, especially the dialects of the Algonkin family.

Professor WHITNEY will instruct in the first year in the general principles of linguistic science, and in the second year in the comparative philology of the Indo-European languages. He will also teach the Sanskrit language, in a course of study extending through both years.

Professor PACKARD will instruct in special Greek authors and in the history of Greek literature.

Mr. VAN NAME will teach the elements of the Chinese and Japanese languages.

Professor LOUNSBURY will give instruction in the Anglo-Saxon language, and in the early forms and literature of English.

Professor COE will give instruction in Old French and Provençal.

Professor CARTER will instruct in the older Germanic languages and literature, including Gothic.

Mr. A. S. WHEELER will give instruction in the Institutes of Gaius and of Justinian, in select titles of the *Corpus Juris*, and in German text books of Roman Law.

The Hebrew and other Semitic languages may be pursued under Professor DAY of the Theological Department, either in connection with his regular classes or otherwise.

### III. *Mathematical and Physical Science*

For the instruction given to graduate and special students in the Sheffield Scientific School, see pages 63, 64. The courses there specified may be variously combined with those here announced, or the student may occupy himself in either section exclusively, according to his circumstances and plans.

Professor LOOMIS will teach meteorology, with especial reference to the making and reducing of meteorological observations.

Professor DANA will instruct in geology.

Professor NEWTON will instruct in the calculus, in analytical mechanics, in the lunar and planetary theories, and in the higher geometry.

Professor GIBBS will instruct in the laws of vibratory and undulatory motion, with especial reference to light and sound; in the potential function, with its application to the theories of electricity and magnetism; and in capillarity.

Professor A. W. WRIGHT will give instruction in physical manipulation, in the departments of heat, light, and electricity, with practical directions as to the management of apparatus.

Mr. E. S. DANA will give instruction in optical mineralogy and crystallography.

### IV. *Fine Arts*

For the instruction given to graduate and special students in the School of the Fine Arts, see page 72.

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For the conditions of the degree of Master of Arts, see page 61.

## UNDERGRADUATE ACADEMICAL DEPARTMENT

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CANDIDATES FOR ADMISSION to the Freshman Class are examined in the following books and subjects:

Latin Grammar—including Prosody.

Sallust—Jugurthine war; or four books of Cæsar.

Cicero—seven Orations.

Virgil—Bucolics, Georgics, and first six books of the *Æneid*.

Arnold's Latin Prose Composition, to the Passive voice (first twelve chapters). [It is suggested to teachers, in addition to the use of the work named, to connect simple exercises in making Latin, either oral or written, with all the Latin studies of their pupils throughout the preparatory course.]

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Greek Grammar—including Prosody.

Xenophon—Anabasis, four books.

Homer—Iliad, three books.

Greek History.

The rules for pronunciation given in Hadley's Grammar are recommended as a guide.

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Higher Arithmetic—including the metric system of weights and measures.

Algebra—so much as is included in Loomis's Treatise, up to the chapter on Logarithms.

Euclid—first two books. [The first, third, and fourth books of Davies's Legendre's Elements of Geometry, or of Loomis's Elements of Geometry, may be offered instead of Euclid.]

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English Grammar and Geography; a thorough knowledge of which is required.

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THE REGULAR EXAMINATION FOR ADMISSION is held at Graduates' Hall, New Haven, on the Friday, Saturday, and Monday following Commencement (June 29, 30, July 2, 1877): *attendance is required at the beginning of the examination, at 9 A. M. on Friday*; those candidates will be detained until Monday, whose examination cannot, for any reason, be finished on

Saturday. The examination is partly oral and partly written; copies of papers recently given (covering the *written* portion of the examination) will be sent on application.

In 1877 an examination will also be held in Chicago (beginning on Friday, June 29, at 9 A. M.), at a place to be announced in the Chicago newspapers of the day previous. This examination will be wholly in writing.

A second Examination (for those who cannot attend the first) is held in New Haven at the beginning of the College year, on Tuesday and Wednesday (Sept. 11, 12, 1877): candidates for this examination must attend at Graduates' Hall at 9 A. M. on Tuesday.

Persons applying to be examined at other times must first obtain special permission from the Faculty, and pay to the Treasurer a fee of ten dollars. In general, no examinations for admission to the Freshman Class can be held before Commencement.

ADVANCED STANDING—All candidates for advanced standing, *whether from other Colleges or not*, are examined, in addition to the preparatory studies, in those already pursued (see next page) by the Class which they wish to enter. In the several languages, for the particular books studied by the Class, equivalent amounts may be offered from other books in the same language.

Bachelors of Arts or of Philosophy of any institution may join the Senior Class without examination, as candidates for the degree of Doctor of Philosophy; which degree will be conferred on such persons after three years' study.

No one can be admitted to the Senior Class after the beginning of the second term.

AGE—No one can be admitted to the Freshman Class till he has completed his fifteenth year, nor to an advanced standing without a corresponding increase of age.

TESTIMONIALS—Satisfactory testimonials of good moral character are in all cases required, before a certificate of admission is granted; and students from other Colleges must present certificates of dismissal in good standing.

BOND—Every person must give to the Treasurer, on being admitted, a bond, executed by his parent or guardian, for five hundred dollars, as security for the payment of all charges arising under the laws of the College.

### Course of Instruction

THE COURSE OF INSTRUCTION occupies four years. In each year there are two terms or sessions.

The following is a scheme of the studies, or, more correctly, of equivalents which will be accepted from candidates for advanced standing:—

#### FRESHMAN YEAR:

FIRST TERM—*Greek*—Homer's *Odyssey*, begun. *Latin*—Livy, begun; Cicero's Second Philippic; Arnold's Latin Composition (to page 150). *Mathematics*—Loomis's Algebra; Todhunter's Euclid; Chauvenet's Geometry; Loomis's Trigonometry. *Hygiene*—Lectures.

SECOND TERM—*Greek*—Homer's *Odyssey*, continued through four books; Herodotus, continued through half of the first book; Arnold's Greek Composition. *Latin*—Livy, continued through one book; Cicero *de senectute*; Ovid, Ramsay's Selections; Roman Antiquities. *Rhetoric*—Recitations and Lectures. Compositions.

#### SOPHOMORE YEAR:

FIRST TERM—*Greek*—Six Orations of Demosthenes. *Latin*—Odes of Horace; Agricola of Tacitus. *Mathematics*—Loomis's Trigonometry. *Rhetoric*—Lectures on Composition. Compositions. Criticism.

SECOND TERM—*Greek*—Prometheus of Æschylus; Xenophon's Memorabilia, one book; Antigone of Sophocles; Plato's Apology of Socrates and Crito. *Latin*—Satires and Epistles of Horace; Satires of Juvenal; Cicero *de officiis*. *Mathematics*—Loomis's Trigonometry; Loomis's Conic Sections; Loomis's Analytical Geometry; Mechanics. *Rhetoric*—Lectures on Elocution, with practice. Declamations. Compositions.

#### JUNIOR YEAR:

FIRST TERM—*Physics*—Ganot's Physics. *German*—Whitney's Grammar and Reader; German Composition. *English*—Shakespeare's Macbeth; Craik's History of English Literature; Forensic Disputations. *Chemistry*—Barker's Chemistry; Lectures.

For optional studies (*Latin, Greek, Mathematics, French*) see page 54.

SECOND TERM—*Natural Philosophy*—Ganot's Physics. Lectures. *English*—Recitations. Forensic Disputations. *German*—Whitney's Grammar and Reader; German Composition. *Zoology*—Huxley's Physiology. Lectures. Laboratory Practice. *Astronomy*—Loomis's Astronomy, to Chapter xii. *Logic*—Jevons's Logic.

For optional studies (*Latin, Greek, Mathematics, French, Anglo-Saxon, Zoology*) see page 54.

#### SENIOR YEAR:

FIRST TERM—*Mental Philosophy*—Porter's Human Intellect. Lectures.

*Geology*—Dana's *Geology*. *Political Science*—Fawcett's *Political Economy*. Lectures. *Rhetoric*—Compositions. Criticism.

For optional studies (*Latin, Greek, French, German, Sanskrit, Mathematics, Astronomy, Mineralogy, History*) see below.

SECOND TERM—*Natural Theology and Evidences of Christianity*—Lectures. *Moral Philosophy*—Recitations. Lectures. *History of Philosophy*—Schwegler's *History*. *History*—Hallam's *Constitutional History*. Lectures. *Evolution and Cosmogony*—Lectures. *Rhetoric*—Compositions. Criticism. *Political and Social Science*—Recitations. Lectures. *International Law*—Woolsey's *International Law*. *Elements of Jurisprudence and American Constitutional Law*—Lectures.

For optional studies (*Latin, Greek, French, German, Sanskrit, Linguistics, Mathematics, Physics, Meteorology, Geology, Palaeontology, Political Science*) see below.

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## LECTURES

### FIRST TERM :

SENIOR CLASS—*Intellectual Philosophy*—The PRESIDENT. *Political Economy*—Professor SUMNER. *German*—Professor CARTER.

JUNIOR CLASS—*Chemistry*—Professor A. W. WRIGHT. *History of English Literature*—Professor BEERS.

FRESHMAN CLASS—*Hygiene*—Professor SANFORD.

### SECOND TERM :

SENIOR CLASS—*Natural Theology and Evidences of Christianity*—The PRESIDENT. *Moral Philosophy*—The PRESIDENT. *Evolution and Cosmogony*—Professor DANA. *History*—Professor WHEELER. *Political Philosophy*—Professor SUMNER. *Elements of Jurisprudence, and American Constitutional Law*—Professor BALDWIN.

JUNIOR CLASS—*Natural Philosophy*—Professor LOOMIS. *Heat, Light, and Electricity*—Professor A. W. WRIGHT. *Zoology*—Mr. J. K. THACHER.

SOPHOMORE CLASS—*Rhetoric*—Professor NORTHROP.

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OPTIONAL STUDIES—The following courses of optional studies are provided for Junior and Senior years.

Every student is required to have four exercises a week in an optional study, during Junior and Senior years. Change from one optional to another is allowed at the end of Junior year, and also whenever in the course of a year a new optional is begun. Any student who can on examination show thorough acquaintance, in advance, with one or more of the required studies of Junior or Senior year, may add another optional in the place of each study thus anticipated.

## I, PHILOLOGY

1. ANCIENT LANGUAGES : (a) GREEK, through Junior and Senior years, four exercises a week, with Professor Packard ; in Junior year, the *Gorgias*, *Phaedo*, and *Symposium* of Plato ; in Senior year, the Republic of Plato. (b) LATIN, through Junior and Senior years, with Professor Thacher, four exercises a week ; beginning with the *Adelphi* of Terence in Junior year, and with Latin Composition in Senior year. (c) Sanskrit, through Senior year, with Professor Whitney, two double exercises a week.

2. MODERN LANGUAGES AND LITERATURE : (a) FRENCH, through Junior and Senior years, four exercises a week, with Professor Coe ; in Junior year, French Composition, Modern French Comedy, Racine ; in Senior year, French Composition, Corneille, Molière, Boileau, LaFontaine. A knowledge of the elements of the French language is required of students who choose French as an optional study in Junior year. The examination may be passed at the time of the Sophomore annual examination, or at the beginning of Junior year, and will be upon Chardenal's First French Course. (b) GERMAN, through Senior year, four exercises a week, with Professor Carter ; Schiller's *Die Piccolomini* and Wallenstein's *Tod*, Goethe's *Faust*, Lessing's *Laocoon*, German Composition. (c) ANGLO-SAXON, through the second half of the second term of Junior year, with Professor Beers, four exercises a week.

3. LINGUISTICS : Through the first half of the second term of Senior year, two exercises a week, with Professor Whitney.

## II, HISTORY AND POLITICAL SCIENCE

1. HISTORY, through the first term of Senior year, with Professor Wheeler, four exercises a week ; Bancroft's History of the United States.

2. POLITICAL ECONOMY, through the second term of Senior year, with Professor Sumner, four exercises a week.

## III, MATHEMATICS AND ASTRONOMY

1. MATHEMATICS, through Junior and Senior years, four exercises a week, with Professor Newton ; Loomis's Calculus, followed by Analytical Mechanics or Higher Geometry.

2. ASTRONOMY, through the first term of Senior year, four exercises a week, with Professor Loomis ; Loomis's Astronomy.

## IV, MOLECULAR AND TERRESTRIAL PHYSICS

1. PHYSICS, through the second term of Senior year, four exercises a week, with Professor A. W. Wright.

2. METEOROLOGY, through the second term of Senior year, four exercises a week ; Loomis's Meteorology.

## V, NATURAL SCIENCE AND GEOLOGY

1. ZOOLOGY, through the second half of the second term of Junior year, four exercises a week, with Mr. J. K. Thacher.



2. MINERALOGY AND MATHEMATICAL CRYSTALLOGRAPHY, through the first term of Senior year, with Professor Dana, four exercises a week ; Dana's Text Book.

3. GEOLOGY, through the second term of Senior year, with Professor Dana ; Dana's Manual.

4. PALÆONTOLOGY, through the first half of the second term of Senior year, with Mr. J. K. Thacher, and through the second half of the term, with Professor Marsh and Mr. Thacher ; Dana's Manual of Geology. [Geology and Palæontology make together one course, the exercises alternating each week ; those taking this course must have first taken the course in Mineralogy and Crystallography.]

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EXERCISES IN DECLAMATION AND COMPOSITION—The Senior Class have exercises in English composition, and the Junior class, in forensic disputation, through the year.

The Sophomore Class during the whole year, and the Freshman Class, during the latter half of the second term, have exercises in English composition.

The Sophomore Class have regular exercises in elocution ; and once a week, during a part of the year, have an exercise in declamation before the Professor of Rhetoric and the members of the Class.

PUBLIC EXAMINATIONS are held at the close of the first term, on the studies of the term ; and, at the close of the year, on all the studies of the year. The annual examinations are conducted wholly in writing, and continue for about two weeks.

VOCAL MUSIC—Gratuitous instruction in Vocal Music is given during a part of the year (the exercises being open to members of all the Departments of the College), subject, however, to a small charge for fire and lights.

### Terms and Vacations

THE PUBLIC COMMENCEMENT is held on the Thursday after the last Wednesday in June. The first term begins eleven weeks from Commencement-day and continues fourteen weeks : the second term begins on the second Thursday in January and continues until Commencement-day, with a Spring recess—usually of eight days—including Easter. (See Calendar, p. 4.) The exercises of each term begin with prayers in the Chapel on Thursday morning.

LEAVE OF ABSENCE—No student is allowed to be absent without special leave, except in the vacations.

### Public Worship

PRAYERS are attended in the Battell Chapel every morning, with reading of the Scriptures and singing, and all the students are required to be present.

**PUBLIC WORSHIP** is held in the Chapel on Sunday, at which all the students are required to attend, except such as have special permission to attend the worship of other denominations, to which their parents belong. Such permission can be obtained only on presenting to the President a written request therefor from the parent or guardian.

### **Gymnasium**

The Gymnasium is designed to provide all the students with opportunities for exercise. Those who use the bath-rooms pay a small fee for tickets.

### **Expenses**

**THE TREASURER'S BILLS** are made out three times a year, viz., at the close of the first term, and at the middle and close of the second term, at which times they are payable. The bills for the first half of the second term must be paid within three weeks of the date, and the other bills within two weeks after the beginning of the succeeding term, or the student is liable to be prohibited from reciting. Drafts on Boston, New York, and Philadelphia will be received at par.

The annual charge for tuition and incidentals is \$140.

For the rent and care of a half-room in the College buildings, the average charge is thirty-five dollars per year.

**OTHER CHARGES**—There are additional charges at graduation, amounting to eighteen dollars. If a student occupies a room alone, the charge for rent and care is ordinarily double that stated above.

**ABSENCE ON LEAVE**—A student who is absent from College on account of sickness, or for any other cause, and still retains his place in his class, pays full tuition during such absence.

**BOARD** is obtained at prices varying from four to eight dollars a week. The average price for the summer of 1876 was about \$5.75. Board may be obtained in clubs, at a lower rate than is common in boarding houses.

**ROOMS**—There are at present in the College buildings above two hundred rooms occupied by students, at prices varying (according to location) from \$25 to \$140 per year, not including vacations. Students living out of College are not allowed to room in any building in which a family does not reside, except by special permission of the Faculty.

**FURNITURE, BOOKS, ETC.**—Students provide for themselves furniture, fuel, lights, and text-books; if books and furniture are sold when the student has no further necessity for them, the expenses incurred by their use will not be great.

**NECESSARY EXPENSES**—The following may be considered a near estimate of the *necessary* annual expenses, for a student occupying a half-room in College, without including apparel, traveling, and board in vacations:—

Treasurer's bill (according to location of room), from	\$160	to	\$220
Board, 37 weeks, - - - - -	"	150	to 300
Fuel, lights, and washing, - - - - -	"	35	to 65
Use of text-books and furniture, - - - - -	"	30	to 65
Total, - - - - -	\$375		\$650

**COLLEGE GUARDIAN**—As a precaution against extravagance, parents at a distance sometimes deposit funds with one of the Faculty; who, in that case, attends to the pecuniary concerns of the student, settles his bills, corresponds with the parent, and transmits an account of expenditures, for which services he charges a commission.

### Beneficiary Funds

The sum of \$11,000 and upwards, derived partly from permanent charitable funds, is annually applied by the Corporation for the relief of students who need pecuniary aid, especially of those preparing for the Christian ministry. About one hundred thus have their tuition either wholly or in part remitted. Students needing such aid should inform the Senior officer of the Class to which they belong, soon after entering College. Assistance will be withdrawn from students who incur serious College censure, or who fail to maintain a reputable scholarship.

**THE HARMER FOUNDATION OF SCHOLARSHIPS** comprises six scholarships, each yielding one hundred dollars a year, to be given to deserving students of small means.

There are also eighteen other Scholarships, most of them yielding sixty dollars a year, which may be given to such students as shall be selected by the founders or the Faculty.

Students who need to avail themselves of the use of the Benevolent Library are supplied gratuitously with many of the text-books used in the College course.

### **Fellowships and Scholarships**

THE DOUGLAS FELLOWSHIP, with an income of at least six hundred dollars a year, was founded in 1873 by Mrs. Samuel Miller, of New Haven, and named in memory of her brothers, Rev. Sutherland Douglas (Y. C. 1822) and George H. Douglas (Y. C. 1828). The incumbent, who must be a recent graduate of the Academical Department, pursuing non-professional studies in New Haven, is elected annually, but may not hold the Fellowship for more than three years.

THE SOLDIERS' MEMORIAL FELLOWSHIP, with an annual income of six hundred dollars, was founded in 1875 by Mrs. Theodosia D. Wheeler, of New Haven, in honor of the alumni who fell in battle as Union soldiers, in the war of 1861-1865, and in especial remembrance of William Wheeler, of the class of 1855. The incumbent must be at the time of his election a graduate of the Academical Department of not more than three years' standing. He shall reside in New Haven, pursuing non-professional studies, and may hold the Fellowship for a period not exceeding five years.

THE BERKELEY SCHOLARSHIP, yielding about forty-six dollars a year, is awarded to the student in each Senior class who passes the best examination in the Greek Testament (Pauline Epistles), the first book of Thucydides, the first six books of Homer's Iliad, Cicero's Tusculan Questions, Tacitus (except the Annals), and Horace; provided he remain in New Haven as a graduate, one, two, or three years.

THE CLARK SCHOLARSHIP, yielding one hundred and twenty dollars a year, is awarded to the student in each Senior Class who passes the best examination in the studies of the College course; provided he remain in New Haven one or two years immediately succeeding his graduation, pursuing a course of study (not professional) under the direction of the Faculty.

THE BRISTED SCHOLARSHIP, yielding over one hundred dollars a year, is awarded, whenever there is a vacancy, to the student in the Sophomore or Junior Class who passes the best examination in the Greek and Latin classics and mathematics. The successful candidate receives the annuity (forfeiting one-third in case of non-residence) until he would regularly take his second degree.

THE WOOLSEY SCHOLARSHIP, yielding sixty dollars a year, is awarded to the student in each Freshman Class, who passes

the best examination in Latin composition (excellence in which is essential to success), in the Greek of the year, and in the solution of algebraic problems. The successful candidate receives the annuity, under certain conditions, during the four years of his College course. The student who stands second at this examination receives for one year the income of the HURLBUT SCHOLARSHIP; and the student who stands third, the income for one year of the THIRD FRESHMAN SCHOLARSHIP. The income of each of these Scholarships is \$60.

THE W. W. DE FOREST SCHOLARSHIP, yielding one hundred and twenty dollars a year, is awarded to some student in each Senior Class who has attained distinction in the study of French while in College, provided he remain in New Haven the year after graduation, pursuing a further course of study in the Romance languages under the direction of the Faculty.

### Premiums

THE DE FOREST PRIZE MEDAL, of the value of \$100, is awarded "to that scholar of the Senior Class who shall write and pronounce an English Oration in the best manner."

THE TOWNSEND PREMIUMS, five in number, of twelve dollars each, are awarded in the Senior Class for the best specimens of English composition.

THE SENIOR MATHEMATICAL PRIZES (the first consisting of a gold medal of the value of ten dollars and of ten dollars in money, the second of ten dollars in money) are offered to the Senior Class for the best solutions of problems in both abstract and concrete mathematics.

CLARK PREMIUMS are offered to the Senior Class for the solution of problems in Practical Astronomy.

THE WINTHROP PRIZES (one of two hundred dollars and one of one hundred dollars) are offered to the Junior Class "for the most thorough acquaintance with the Greek and Latin poets," as shown at an examination during the latter half of the second term.

COLLEGE PREMIUMS are given in the Sophomore Class for English composition, and for declamation, and in the Sophomore and Freshman Classes for the solution of mathematical problems.

SCOTT PRIZES for excellence in the Modern Languages are offered to the Junior Class; these prizes are two in number, of the value of thirty dollars each, and are given in books.

BERKELEY PREMIUMS for Latin Composition are offered to the Freshman Class near the end of the year.

THE JOHN A. PORTER PRIZE, of two hundred and fifty dollars, is offered at each Commencement for the best English Essay. Any person who has been studying for a degree in any department of the University during the entire College year may compete for this prize.

### Degrees

The degree of BACHELOR OF ARTS is conferred by the Corporation on those persons who have completed the course of academical exercises, as appointed by law, and have been approved on examination at the end of the course as candidates for the same. Candidates are required to pay their dues to the Treasurer as early as the Monday before Commencement.

The degree of MASTER OF ARTS is conferred on Bachelors of Arts of this College, of two years' standing or upwards, who have given to the Academical Faculty evidence of having made satisfactory progress in liberal studies after receiving their first degree.

Such evidence may be furnished, first, by one year's systematic study (not professional) in New Haven, under the direction and instruction of the Academical Faculty, followed by an examination.

In the second place, such Bachelors of Arts of this College as may not choose to reside at the College for the prosecution of study, may, at any time not less than three years after graduation, show to the Academical Faculty, by their printed writings, or by submitting to special examinations, or by any other satisfactory evidence of a year's liberal (and non-professional) study, that they are worthy of recommendation for this degree.

Bachelors of Arts of other Colleges are admitted without examination to any of the courses of graduate instruction (pp. 49, 50); and after a course of resident study, may, on a satisfactory examination, be recommended for the Master's degree.

A suitable fee will be charged for examinations.

Candidates for this degree must give notice to the Secretary before the first of April.

## SHEFFIELD SCIENTIFIC SCHOOL

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THE SHEFFIELD SCIENTIFIC SCHOOL is devoted to instruction and researches in the mathematical, physical, and natural sciences, with reference to the promotion and diffusion of science, and also to the preparation of young men for such pursuits as require especial proficiency in these departments of learning.

The School, begun in 1847, and reorganized upon a more extensive scale in 1860, received in 1863, by the act of the Connecticut Legislature, the national grant for the promotion of scientific education under the Congressional enactment of July, 1862. It thus became in consequence the "College of Agriculture and the Mechanic Arts" of Connecticut.

OFFICERS AND INSTRUCTORS.—In addition to the Governing Board (mentioned on p. 37), on whom devolves the internal management of the School, the following additional instructors are employed during the current year:—

ALBERT S. WHEELER, M.A., German; FREDERIC R. HONEY, Drawing; JOSEPH J. SKINNER, C. E., Mathematics; AUGUST H. EDGREN, PH.D., French; GEORGE W. HAWES, PH.B., Mineralogy; MANSFIELD MERRIMAN, C.E., Civil Engineering; HENRY A. HAZEN, M.A., Drawing; RUSSELL H. CHITTENDEN, PH.B., Physiological Chemistry; FREDERIC N. PEASE, PH.B., Analytical Chemistry; WILLIAM H. PATTON, B.A., Zoology; HIRAM A. MILLER, PH.B., Mechanical Drawing.

Instruction is given in Elementary and Free-hand Drawing by Professor NIEMEYER, of the Yale School of the Fine Arts; in Elocution by MARK BAILEY, M.A.

The Board of State Visitors consists of the Governor, Lieutenant-Governor, three senior Senators, and the Secretary of the Board of Education.

The Board of Councilors, invited by the Corporation to advise and assist in the progress of the School, are as follows—Hon. J. E. ENGLISH, of New Haven; Hon. M. JEWELL, of Hartford; Hon. J. R. HAWLEY, of Hartford; Hon. O. F. WINCHESTER, of New Haven; JOSEPH E. SHEFFIELD, Esq., of New Haven;

Professor J. D. DANA, of New Haven; HENRY FARNAM, Esq., of New Haven; M. DWIGHT COLLIER, M.A., of St. Louis; Hon. WILLIAM E. DODGE, of New York City.

The instruction is intended for two classes of students:—

I.—Graduates of this or of other Colleges, and other persons qualified for advanced or special scientific study.

II.—Undergraduates who desire a training, chiefly mathematical and scientific, in part linguistic and literary, for higher scientific studies, or for other occupations to which such training is suited.

### **Instruction for Graduate and Special Students**

Persons who have gone through undergraduate courses of study, here or elsewhere, may avail themselves of the facilities of the School for more special professional training in the physical sciences and their applications, gaining in one, two, or three years the degree of BACHELOR OF PHILOSOPHY, or, in two additional years of Engineering study, that of CIVIL ENGINEER or DYNAMIC ENGINEER.

Or, engaging in studies of a less exclusively practical character, they may become candidates for the degree of DOCTOR OF PHILOSOPHY, under the conditions already stated (see p. 48). The instruction in such cases will be adapted to the particular needs and capacities of each student, and may be combined with that given by the graduate instructors in other departments (see pp. 49, 50). Subjects likely to receive special attention are suggested as follows:—

Professor NORTON will instruct in applied mechanics and in spherical astronomy;

Professor LYMAN, in the use of meridional and other astronomical instruments, and in astronomical spectroscopy;

Professor TROWBRIDGE, in the principles of thermodynamics, and the artificial generation, transfer, and utilization of heat as a source of power;

Professor BRUSH, in the analysis and determination of mineral species, and in descriptive mineralogy;

Professor JOHNSON, in theoretical, analytical, and agricultural chemistry;

Professor BREWER, in agriculture and forest culture, in the use of the microscope, and in physical geography;



Professor CLARK, in definite integrals, differential equations, analytical mechanics, the theory of numerical approximations, and the method of least squares ;

Professor EATON, in structural and systematic botany, including the North American flora and the description of genera and species ;

Professor MARSH, in palæontology and comparative osteology ;

Professor WALKER, in public finance and in the statistics of industry ;

Professor ALLEN, in analytical chemistry, and in metallurgy ;

Professors VERRILL and SMITH, in zoology and geology.

The same courses of study are open, for a longer or shorter time, to graduate students who do not desire to become candidates for a degree.

The degrees of CIVIL and DYNAMIC ENGINEER are conferred on Bachelors who have taken the first degree in Engineering study, and who pursue a higher course for at least two years, sustaining a final examination, and giving evidence of their ability to design important constructions and to make the requisite drawings and calculations.

SPECIAL STUDENTS—For the benefit of those who, being fully qualified, desire, to pursue particular studies without reference to the obtaining of a degree, special or irregular students are received in most of the departments of the School ; not however, in the Select Course, nor in the Freshman Class.

It should be distinctly understood that these opportunities are not offered to persons who are incompetent to go on with regular courses, but are designed to aid those who have received a sufficient preliminary education elsewhere to increase their proficiency in special branches.

### Instruction for Undergraduate Students

TERMS OF ADMISSION—Candidates must be not less than sixteen years of age, and must bring satisfactory testimonials of moral character from their former instructors or other responsible persons.

For admission to the Freshman Class the student must pass a thorough examination in the following subjects :—

*English Grammar*—including spelling and composition.

*History of the United States.*

*Geography.*

*Latin*—Six books of Cæsar's Commentaries, or their equivalent, and simple exercises in prose composition.

*Arithmetic*—including the Metric System of weights and measures.

*Algebra*—an equivalent to Loomis's Treatise, as far as the general theory of equations.

*Geometry*—an equivalent to the nine books of Chauvenet's Treatise.

*Trigonometry*—an equivalent to the Plane Trigonometry contained in the recent editions of Loomis's Geometry, or to the Plane and Analytical Trigonometry of Davies's Legendre.

*Physics*—Snowball and Lund's Course of Elementary Natural Philosophy (published by Macmillan & Co., N. Y. City).

IN GEOMETRY, the candidate may offer the ten books of the last edition, (recently published) of Loomis's Elements, along with the Appendix, up to the section on Transversals, as an equivalent to the nine books of Chauvenet. He may also offer either of the translations of Legendre in use in this country instead of corresponding matter in Chauvenet; but, for example, if he wishes to offer Davies's Legendre, he should, in addition, at least familiarize himself with the subjects of Loçi, Symmetry, and Maxima and Minima of Plane Figures, as far as treated by Chauvenet and Loomis. Whatever text book the student makes use of in his preparation, he should, as far as practicable, have suitable exercises in proving simple theorems and solving simple problems for himself. It is important, too, that he should be accustomed to the numerical application of geometric principles, and especially to the prompt recollection and use of the elementary formulæ of mensuration. He should also be exercised in applying the formulæ of Trigonometry to a variety of simple reductions and transformations, and especially to the solution of trigonometrical equations. Among other works, Todhunter's "Trigonometry for Beginners" will furnish the judicious teacher much material for this class of exercises. Readiness and accuracy in trigonometrical calculations are also of prime importance to the candidate. If the use of Logarithms is postponed in his preparation till Trigonometry is taken up (which is by no means necessary or advisable) he should then have abundant applications of them to all forms of calculation occurring in ordinary practice, as well as to those appearing in the solution of Triangles. Finally, in all of his calculations, he should study the art of neat, orderly, and readily intelligible arrangement.

IN LATIN, in order to assure the attainment of the required proficiency in this study, the student should have such continued training in parsing as shall make him thoroughly familiar with declensions and conjugations, and accurate and ready in the application of the rules of syntax. As an additional guarantee of the proper mastery of these grammatical elements, the requirement has been adopted of "simple exercises in prose composition." By this is meant, merely, such a course of elementary exercises in translating, orally and in writing, from English into Latin as, in connection with the systematic parsing just mentioned, shall necessitate a familiarity with gram-

matical forms and the leading principles of syntax, and thus render the reading of the six books of Cæsar (or their equivalent) more thorough and fruitful. Since this course of elementary exercises in translation is designed as a preparation for reading, and not as a sequel to it, it should be invariably begun at the earliest stage of the study of Latin. To avoid any misapprehension of the nature or the extent of the requirement, the following works are specifically named, among which the candidate for examination may make his own election. These are Harkness' "Introduction to Latin Composition," 112 pages; Leighton's "Latin Lessons," 91 pages; Smith's "Principia Latina," Part I.; or McClintock's "First Latin Book," 83 lessons (193 pp.). Any equivalent of these may be offered from the many useful books of a similar character. A knowledge of Prosody is not required.

The examinations for admission take place at North Sheffield Hall, on Friday and Saturday, June 29, 30; and on Tuesday and Wednesday, September 11, 12, 1877. Opportunities for private examination may, in exceptional cases, be given at other times.

In 1877 an examination will also be held in Chicago (beginning on Friday, June 29, at 9 A. M.), at a place to be announced in the Chicago newspapers of the day previous.

Candidates for advanced standing in the undergraduate classes are examined, in addition to the preparatory studies, in those already pursued by the class they wish to enter. No one can be admitted as a candidate for a degree, later than at the beginning of the Senior year.

COURSES OF INSTRUCTION, occupying three years, are arranged to suit the requirements of various classes of students. The first year's work is the same for all; during the last two years the instruction is chiefly arranged in special courses.

The special courses most distinctly marked out are the following :—

- (a.) In Chemistry;
- (b.) In Civil Engineering;
- (c.) In Dynamic (or Mechanical) Engineering;
- (d.) In Agriculture;
- (e.) In Natural History;
- (f.) In studies preparatory to Medical Studies;
- (g.) In studies preparatory to Mining and Metallurgy;
- (h.) In Select studies preparatory to other higher studies.

The arrangement of the studies is indicated in the annexed scheme.

## FRESHMAN YEAR—INTRODUCTORY TO ALL THE COURSES

FIRST TERM—*German*,—Whitney's Grammar and Reader. *English*,—Hadley's Brief History of the English Language; Exercises in Composition. *Mathematics*,—Plane Analytical Geometry. *Physics*,—Atkinson's Ganot, with experimental lectures. *Chemistry*,—Eliot and Storer's Manual: Laboratory practice. *Elementary Drawing*,—Practical Lessons in the Art School.

SECOND TERM—*Language, Physics, Chemistry, and Drawing*,—As stated above. *Mathematics*,—Elements of the Theory of Numerical Approximations; Solution of Higher Numerical Equations; Methods of Interpolation; Analytical Geometry in Space; Spherical Trigonometry. *Physical Geography*,—Lectures. *Botany*,—Gray's Lessons. *Polit. Economy*,—Elementary Lectures. *Drawing*,—Orthographic Projection.

For the Junior and Senior years the students select for themselves one of the following courses:—

## (a.) IN CHEMISTRY

## JUNIOR YEAR

FIRST TERM—*Theoretical and Organic Chemistry*,—Lectures. *Qualitative Analysis*,—Fresenius. *Laboratory Practice*. *Blowpipe Analysis*. *German*. *French*.

SECOND TERM—*Laboratory Practice*,—Quantitative Analysis. *Mineralogy*,—Blowpipe Analysis and Determination of Species. Lectures. *French*. *German*.

## SENIOR YEAR

FIRST TERM—*Laboratory Practice*,—Volumetric and Organic Analysis. *Geology*,—Dana's. *Zoology*,—Lectures and Excursions. *French*.

SECOND TERM—*Laboratory Practice*,—Mineral Analysis and Assaying. *Agricultural Chemistry*,—Recitations and Lectures (optional). *Geology*,—Dana's. *Metallurgy* (optional). *Mineralogy* (optional). *French*. *Zoology*,—Lectures.

## (b.) IN CIVIL ENGINEERING

## JUNIOR YEAR

FIRST TERM—*Mathematics*,—Differential and Integral Calculus. Descriptive Geometry. *Surveying*,—Field Operations. *Drawing*,—Binns' Orthographic Projections. *German*. *French*.

SECOND TERM—*Mathematics*,—Integral Calculus. Rational Mechanics. Descriptive Geometry. *Drawing*,—Projection of Shadows and Perspective. Topographical. Warped Surfaces. *Surveying*,—Topographical. *German*. *French*.

## SENIOR YEAR

FIRST TERM—*Field Engineering*,—Laying out Curves. Location of line of Railroad, with calculations of Excavation and Embankment. Hencks' Field Book for Railroad Engineers. *Civil Engineering*,—Stone Cutting,—with graphical problems. Mahan's Civil Engineering. *Geology*,—Dana's. *Mineralogy*,—Blowpipe Analysis and Determinative Mineralogy. *French*.

SECOND TERM—*Civil Engineering*,—Resistance of Materials. Bridges and Roofs. Building Materials. Stability of Arches and Walls. *Dynamics*,—Principles of Mechanism. Steam Engine. *Hydraulics*,—Hydraulics and Hydraulic Motors. *Drawing*,—Graphical Statics. *Astronomy*,—Loomis's Astronomy, with practical problems. *Mineralogy*,—continued. *Geology*,—Dynamic. *French*.

## (c.) IN DYNAMIC ENGINEERING

## JUNIOR YEAR

FIRST TERM—Differential and Integral Calculus. Descriptive Geometry. The use of the Level, Theodolite, and Transit. Instrumental Drawing. *German*. *French*.

SECOND TERM—Integral Calculus. Rational Mechanics. Instrumental Drawing. General Theory of Motion, and Principles of Mechanism. *German*. *French*.

## SENIOR YEAR

FIRST TERM—Principles of Mechanism. Applications of the Principles of Mechanics to Machinery. Machine Construction. Blowpipe Analysis. Resistance of Materials. Construction of roof trusses, girders, and iron bridges. *Geology*. *French*.

SECOND TERM—General principles of Heat employed as a source of power. The construction of Steam Generators. Steam Engines. Hot Air Engines. Water Engines. Water Wheels. The Construction of Water Reservoirs, and Conduits. Measurement of Water Supply. Discharge of Pipes, etc. Graphical Statics. *Metallurgy*. *Geology*.

## (d.) IN AGRICULTURE

## JUNIOR YEAR

FIRST TERM—*Theoretical and Organic Chemistry*,—Lectures. *Experimental and Analytical Chemistry*,—in their Agricultural applications. Laboratory Practice. *Mineralogy*,—Blowpipe Analysis and Determinative Mineralogy. *German*. *French*.

SECOND TERM—*Agricultural Chemistry*,—Recitations and Lectures. *Experimental Chemistry*,—Laboratory Practice. *Physical Geography*. *Horticulture*, *Kitchen Gardening*, and *Forest Culture*,—Lectures. *Mineralogy*. Lectures. *Botany*,—with Excursions. *German*. *French*.

## SENIOR YEAR

FIRST TERM—*Agriculture*,—Cultivation of the Staple Crops of the Northern States. *Agricultural Zoology*,—Origin and Natural History of Domestic Animals. Insects useful and injurious to Vegetation. *Geology*,—Dana's. *French Excursions*,—Agricultural, Botanical, etc.

SECOND TERM—*Agriculture*,—Stock raising and Principles of Breeding. *Geology*,—Dana's. *Rural Economy*,—History of Agriculture and Sketches of Husbandry in Foreign Countries. Systems of Husbandry. *Human Anatomy and Physiology*,—Lectures. *French*.

## (e.) IN NATURAL HISTORY

(Either *Geology*, *Mineralogy*, *Zoology*, or *Botany* may be made the principal study, some attention in each case being directed to the other three branches of Natural History.)

## JUNIOR YEAR

FIRST TERM—*Chemistry*,—Qualitative Analysis. Laboratory Practice. Recitations. *Mineralogy*,—Blowpipe Analysis and Determinative Mineralogy. *Botany*,—Gray's Manual; Use of the Microscope. *German*. *French*.

SECOND TERM—*Zoology*,—Laboratory Practice. Excursions (land and marine). Lectures. *Physiology*,—Huxley's. *Botany*,—Laboratory Practice; Gray's Text-Book or Brown's Manual. Excursions. *Mineralogy*,—Lectures. *Physical Geography*. *German*. *French*.

## SENIOR YEAR

FIRST TERM—*Geology*,—Dana's. Excursions. *Anatomy of Vertebrates*,—Huxley's. *Zoology*,—Laboratory Practice. Lectures. Excursions. *Botany*,—Herbarium Studies. Excursions. *Linguistics*,—Whitney's Life and Growth of Language. *French*.

SECOND TERM—*Geology*,—Dana's. *Zoology*,—Laboratory Practice. Excursions. *Botany*,—Herbarium Studies. Botanical Literature. Essays in Descriptive Botany. *Meteorology*. *French*.

Besides the regular courses of recitation and lectures on structural and systematic *Zoology* and *Botany*, and on special subjects, students are taught to prepare, arrange, and identify collections, to make dissections, to pursue original investigations, and to describe genera and species in the language of science. For these purposes, large collections in *Zoology* and *Palæontology* belonging to the College are available, as are also the private botanical collections of Professor Eaton.

## (f.) IN PREPARATION FOR MEDICAL STUDIES

During the Junior year, the work of this course will be chiefly under the direction of the instructors in *Chemistry*. Especial attention will be given to qualitative and quantitative analysis, in their physiological and medical

bearings; and to the preparation and study of the organic proximate elements. In the Senior year, the work will be chiefly under the direction of the Professors of Comparative Anatomy, Zoology, and Botany. Attention will be paid to the principles of Biology, comparative anatomy, embryology, the laws of hereditary descent, and human parasites; and to a general knowledge of structural and physiological Botany. The order of studies is as follows:

#### JUNIOR YEAR

FIRST TERM—*Chemistry*,—Qualitative Analysis,—Fresenius'. Laboratory Practice. Recitations. *Mineralogy*,—Blowpipe Analysis and Determinative Mineralogy. *German. French.*

SECOND TERM—*Physiological Chemistry*,—Klein's Handbook. Laboratory Practice. Recitations. *Physiology*,—Huxley's. *Botany*,—Lectures, Practical Exercises in Phenogamous Plants, and Excursions. *Mineralogy*,—continued. *German. French.*

#### SENIOR YEAR

FIRST TERM—*Comparative Anatomy and Physiology*,—Laboratory Practice. *Anatomy of Vertebrates*,—Huxley's. *Botany*,—Practical Exercises, Lectures, and Excursions. *Geology*,—Dana's. *Zoology*,—Lectures and Excursions. *French.*

SECOND TERM—*Comparative Anatomy and Systematic Zoology*,—Lectures, Laboratory Practice. *Botany*,—Lectures. Laboratory Practice in Cryptogamia, etc. *Geology*,—Dana's. *French.*

#### (g.) IN STUDIES PREPARATORY TO MINING AND METALLURGY

Young men desiring to become Mining Engineers, can pursue the regular course in Civil or Mechanical Engineering, and at its close can spend a fourth year in the study of metallurgical chemistry, mineralogy, etc.

#### (h.) IN THE SELECT STUDIES PREPARATORY TO OTHER HIGHER STUDIES

#### JUNIOR YEAR

FIRST TERM—*Mineralogy*,—Blowpipe Analysis and Determinative Mineralogy. *Astronomy. English*,—Early English. *History*,—Freeman's Outlines. *French. German.*

SECOND TERM—*Mineralogy*,—Lectures. *Physical Geography. Botany*,—Lectures and Excursions and Laboratory Practice. *English*,—Chaucer, Shakespeare. *History*,—Freeman's Outlines, with Lectures. *Political Economy*,—Walker's Science of Wealth. *German. French.*

## SENIOR YEAR

FIRST TERM—*Geology*,—Recitations and Excursions. *Botany*,—Lectures, Excursions and Laboratory Practice. *Zoology*,—Lectures and Excursions. *Linguistics*,—Whitney's Life and Growth of Language. *English*,—Shakespeare. *History*,—Constitutional History of the United States. Lectures. *Political Economy*,—Lectures. *French*.

SECOND TERM—*Geology and Zoology*,—continued. *Meteorology*. *Political Economy*,—Lectures. *English*,—Shakespeare, Milton, Dryden, Pope. *History*,—Political History of the United States. History of Europe since 1848. Lectures. *French*.

Exercises in English Composition are required during the entire course from all the students. The preparation of graduating theses is among the duties of the Senior Year.

Lectures on Military Science and Tactics are annually given.

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The TERMS AND VACATIONS correspond with those of the Academical Department. (See Calendar, p. 4.)

EXPENSES—The charge for tuition is \$150 per year, payable \$55 at the beginning of the first and of the second terms, and \$40 at the beginning of the third term. The special student of Chemistry has an additional charge of \$70 per annum for chemicals, and use of apparatus. He also supplies himself at his own expense with gas, flasks, crucibles, etc., the cost of which should not exceed \$10 per term. An additional charge of \$5 is annually made to each student for the use of the College Reading Room and Gymnasium.

The FEES for graduation as BACHELOR OF PHILOSOPHY, are \$10; unless the person taking the degree is also an academical graduate, when the fee is but \$5. For CIVIL or DYNAMIC ENGINEER, \$5. For DOCTOR OF PHILOSOPHY, \$10.

## Degrees

BACHELOR OF PHILOSOPHY—The degree of Bachelor of Philosophy is conferred on those who have completed one of the three-year courses in the SHEFFIELD SCIENTIFIC SCHOOL, and have passed the examination at its close.

CIVIL AND DYNAMIC ENGINEER—See page 64.

DOCTOR OF PHILOSOPHY—See page 48.



## SCHOOL OF THE FINE ARTS

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THE COUNCIL of this Department consists of the following *ex-officio* members:—the President of the College, the President of the National Academy of Design, the President of the New York Museum of Art, and the Director of the School, who is also the Secretary; together with four regularly appointed Councillors, Mr. HENRY FARNAM, Mr. DONALD G. MITCHELL, Mr. EDWARD E. SALISBURY, and Mr. JOHN D. WHEELER.

THE FACULTY, on whom devolves the internal management of the school, consists of the President of the College, and the Professors whose names and departments of instruction are as follows:—JOHN F. WEIR, Professor of Painting, and Director of the School; JOHN H. NIEMEYER, Professor of Drawing; FREDERIC R. HONEY, instructor in Geometry and Perspective. (The chairs of Sculpture, Architecture, and Anatomy are unfilled.)

The School has for its end the cultivation and promotion of the Arts of Design, viz: PAINTING, SCULPTURE, and ARCHITECTURE, both in their artistic and æsthetic aims, through practice and criticism. The aim is—

1st. To provide thorough technical instruction in the Arts of Painting, Sculpture, and Architecture.

2d. To furnish an acquaintance with all branches of learning relating to the History, Theory, and Practice of Art.

The Courses of Instruction provided under these heads—of Practice and Criticism—may be regarded as distinct, or correlative, embracing that practical and theoretical knowledge of art which is no less desirable for the critic than for the artist.

The course of technical instruction, covering three years, is arranged as follows:\*

\* No provision has yet been made for instruction in the departments of Sculpture and Architecture, but it is hoped that before long this will be provided.

*First Year*

DRAWING—from the flat : from the antique : from the living model.

PERSPECTIVE—descriptive geometry : shadows and linear perspective : applications and examples.

LECTURES—the elements of form : principles of proportion.

*Second Year*

DRAWING—technical discipline : studies from the living model.

ANATOMY—the bones and articulations of the skeleton : the muscles and movements of the body : the anatomy of external forms.

PAINTING—technical discipline : studies from casts and still-life.

*Third Year*

PAINTING—technical practice : studies from the living model.

COMPOSITION—studies in color and chiaroscuro : design.

LECTURES—on the history, theory, and practice of art.

In the departments of Drawing and Painting the practice of the studio is based upon the study of the human form.

The course in drawing is supplemented by lectures on Form and Proportion.

The practice in painting is supplemented by lectures on Color, Chiaroscuro, and Composition.

Drawing is continued, without interruption, through the first half of the course, or until the student evinces that proficiency which will warrant advancement. Painting is continued through the remainder of the course. Students will be encouraged to remain in the school and pursue advanced studies after the three years' course is completed.

In PERSPECTIVE, instruction is given in the form of lectures; but students will be required to work out the examples, or problems, and submit them for examination at the next meeting of the class. The subject has three divisions: the first is devoted to descriptive geometry and its application to projection drawing; the second to shadows and linear perspective; and the third to applications and problems. At the close of the course an examination is held, and the standing of the student determined.

In ANATOMY, instruction is likewise given in the form of lectures. This subject has also three divisions: the first is devoted to the bones and articulations of the skeleton; the second to the muscles and movements of the body; and the

third to the anatomy of external forms. Students are required to draw, in detail, the parts under discussion by the lecturer, and submit the same for examination, at the next meeting of the class. At the close of the course the relative standing of the pupils is determined by examination.

A COURSE OF PUBLIC EVENING LECTURES on "the Aesthetics of every-day life" will be delivered in the School, during the second term, by Mr. Donald G. Mitchell. Lectures will also be given during the first term by Mr. Parke Godwin, Mr. John La Farge, Mr. E. E. Salisbury, and Mr. Chas. Eliot Norton.

PRIZES may be competed for, both in Drawing and Painting, at the close of the courses provided in these respective departments; (in drawing, a prize of \$50 for a study from the Antique, and \$100 for an approved study from the life; in painting, corresponding prizes of equal amounts;) but the necessary qualification includes, in drawing, an approved knowledge of perspective; and in painting, a requisite acquaintance with anatomy—as provided for by the instruction given in these branches.

DIPLOMAS are only accorded to those who remain through the full course, or pass the requisite examinations. If qualified, the student may enter advanced classes at once.

The CHARGE FOR TUITION is \$36 for three months, *in advance*; and no student will be admitted for a shorter period. Art-students are admitted *free* to all the lectures delivered in the school, whether public lectures or those in regular course; to the collections at all times; and are entitled to such privileges, under the usual restrictions, as are granted to students in the other departments of the College.

The School is open to both sexes, but no student will be admitted under fifteen years of age.

The ART LIBRARY will be open at specified hours for the use of students.

The COLLECTIONS embrace the "Jarves Gallery of Italian Art," numbering one hundred and twenty paintings, dating from the 11th to the 17th centuries; the "Trumbull Gallery" of original portraits and other works, by John Trumbull, numbering fifty-four pictures; a collection of portraits and works of contemporaneous art, numbering about seventy-five pictures; together with about one hundred and fifty casts and marbles, the former from many of the best productions of

ancient art. In addition to the collections belonging to the School, a Loan Exhibition is organized annually, previous to the College Commencement, and continues open for six months. These loan exhibitions have, through their general excellence, contributed materially to the objects of the School by affording opportunity for studying the representative works of contemporaneous art. The Collections are open daily for the use of students, and to the public, during the winter, from 1 to 4 P. M.; and during the summer, when a special loan exhibition is organized, from 9 A. M. to 6 P. M. The proceeds of the exhibitions are applied to the purchase of material adapted to instruction, and to the incidental expenses of the School.

"Students' Season Tickets," at one dollar each, admitting the holders to the Exhibitions throughout the year, are furnished to students of all other departments of the College.

The Art School occupies a large and beautiful building, erected for this object by the late Augustus Russell Street, of New Haven, containing commodious galleries well adapted to the purpose of an Art Museum, and for lectures; drawing, painting, and modeling rooms, designed for the instruction of classes; also library rooms and studios.

This department of the college is open to all who desire to avail themselves of its instructions, without restriction, save as to age and general good character. It aims to embrace a wide field of usefulness in connection with the knowledge and promotion of art, and to offer every facility to the student both in the way of criticism and technical discipline.

The course of study, as at present constituted, embraces only that instruction which the school is now prepared to furnish practically and efficiently: this is subject to expansion with the growth of the means at the disposal of the Faculty.

All applications for admission to the school should be made through the Director. It is particularly desirable that these applications be made before October 1st.

## THEOLOGICAL DEPARTMENT

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THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Lecturer on Church Polity and American Church History, a Professor of Hebrew Literature and Biblical Theology, a Professor of Systematic Theology, a Professor of Homiletics and the Pastoral Charge, a Professor of Ecclesiastical History, and a Professor of Sacred Literature.

CONDITIONS OF ADMISSION—The conditions of entrance are membership in some evangelical church, or other satisfactory evidence of Christian character, and a liberal education at some College, or such other literary acquisitions as may be considered an equivalent preparation for theological studies. Students of every Christian denomination, in case they are possessed of these qualifications, are admitted.

It is expected that every student will be promptly on the ground at the beginning of the session. Rooms are assigned in the order of application, but no room will be reserved for any applicant who neglects to appear, beyond one week after the opening of the term.

COURSE OF INSTRUCTION—The regular course occupies three years, and is arranged in the following order:—

### JUNIOR YEAR:

Professor DAY will lecture on the Encyclopedia and Literature of Theology, and give instruction in Hebrew Grammar and Philology. Portions of the historical books of the Old Testament in the original will be carefully read and analyzed, and critical and exegetical dissertations presented by the class on points of special difficulty or importance.

Professor DWIGHT will give instruction in the exegetical study of the Greek New Testament. The course includes, in addition to the regular exegetical exercises, the critical investigation of the Greek text and the study of the subjects connected with the Introduction to the New Testament. Dissertations of a critical and exegetical character will, also, be prepared by the students and discussed in the presence of the class.

Professor HARRIS will lecture on Mental Philosophy with special reference to the study of Theology; also on Natural Theology, the Evidences of Christianity, and the Inspiration of the Scriptures; also, as incidental to these topics, on the various forms of Skepticism.

## MIDDLE YEAR :

Professor HARRIS will lecture on Systematic Theology. This course will include a full and systematic investigation of the doctrines of Christianity, and of existing questions and controversies in respect to them. The lectures are accompanied by examinations and free discussions.

Professor FISHER will lecture on General Church History, including the following topics : an historical survey of the Old or Preparatory dispensation in its relation to Christianity ; the establishment and spread of Christianity (including Missions and Persecutions) ; Ecclesiastical Polity (including the rise and rule of the Papacy, and the Reformation) ; and the history of Christian Life and Worship.

Professor DAY will give instruction in Biblical Theology, with special reference to the progressive stages of Divine revelation, and the doctrinal results of the modern critical study of the Bible. He will also lecture on portions of the Hebrew Scriptures, especially the poetical and prophetic books.

Professor DWIGHT will continue to give instruction by lectures and recitations, in the exegetical study of the New Testament, especially the Pauline Epistles.

Dr. BACON will lecture on American Church History.

## SENIOR YEAR :

Professor HOPPIN will lecture on Sacred Rhetoric and Homiletics, and also on Pastoral Theology, including the office, qualifications, pastoral duties, and special work of the ministry ; he will also take charge of the practical exercises in Preaching, and in the criticism of the style and delivery of Sermons.

Professor FISHER will lecture on the history of Christian Doctrine and on Symbolical Theology, and students will be aided in pursuing historical investigations for themselves.

Dr. BACON will give a series of lectures on Church polity, with special reference to the polity and discipline of the Congregational Churches.

Professor DWIGHT will lecture on some topics of special interest connected with the different books of the New Testament.

Professor DAY will read, with those who wish to prosecute the study of Syriac, the Peshito version of the New Testament.

*Optional Studies in either Year :*

Professor DAY will read, free of charge, with those students who desire to become familiar with the theological literature of Germany and have made some progress in the language, some standard work in German on Christian doctrine, with critical remarks, and references to the ablest works on special topics. The grammatical study of the language may be pursued with the classes in the Sheffield Scientific School.

Professor WHITNEY will give instruction to those who desire it in Sanskrit.

Instruction in vocal music is given gratuitously to students who desire it. (See p. 56.)

The following courses of lectures in the Academical Department may be attended, free of charge, provided that they do not interfere with the regular studies of the Seminary: on *Intellectual and Moral Philosophy*, by President PORTER; on *Natural Philosophy and Astronomy*, by Professor LOOMIS; on *Evolution and Cosmogony*, by Professor DANA; on *History*, by Professor WHEELER; on *Political and Social Science*, by Professor SUMNER. Students may also be admitted to the various courses of lectures in the Sheffield Scientific School. Those who intend to become Foreign Missionaries have the privilege of attending gratuitously the lectures in the Medical Department.

EXERCISES IN PUBLIC SPEAKING—There will be an exercise for all the classes, in the presence of the Faculty, once in two weeks, in the reading of the Scriptures and hymns, and in the delivery of sermons, or parts of sermons, or addresses. Every alternate week there will be a conference, designed to cultivate the power of *extemporaneous speaking*, in which the students will be called on to present their views on some subject selected by the Faculty. Weekly debates are also held by the students, in societies of their own.

Instruction in Elocution will be given by Mr. BAILEY, the Instructor in the Academical Department.

LICENSE TO PREACH—The regular time for applying for a license is at the close of the second year's study, before which time members of the Department are not allowed to preach.

PUBLIC WORSHIP—Prayers are attended every morning in the MARQUAND Chapel, with reading of the Scriptures and singing. It is optional with the student whether to connect himself with the College Church, or with one of the City churches; but whatever may be his decision, it is hoped that he will actively engage, so far as may not be inconsistent with the prosecution of his studies, in some form of City Mission, Sabbath School, or other benevolent labor, for which constant opportunities are offered.

LIBRARIES—The Reference Library of the School, containing nearly two thousand volumes in various languages, and established through the liberality of Mr. Henry Trowbridge, of New Haven, is placed in the East Divinity Hall. It is designed to furnish the students with the standard and most recent books in every branch of theological literature and those most frequently called for in the pursuit of their studies. It is open daily for consultation, and thus takes the place, for each student, of a well selected and extensive private library.

The valuable Library of Church Music, belonging to the late Dr. Lowell Mason, has been recently given to the Department by his family. This Library, which is placed in the West

Divinity Hall, and is one of the largest of the kind in the country, will be open for the use of students.

The College Library, to which the students have access without charge, contains about 80,000 volumes, and is open five hours on every secular day for consultation and for the drawing of books.

The library of the College literary Societies, containing about 20,000 volumes in general literature, is accessible to theological students.

**PHYSICAL EXERCISE**—The College Gymnasium is open to the students of this Department at a small charge. The harbor of New Haven affords excellent facilities for boating, to those inclined to this mode of exercise.

**ROOMS**—The rooms in the two DIVINITY HALLS are provided with carpets, beds, bedding, and every necessary article of furniture. They are assigned to new students in the order of application. A few rooms have two bedrooms attached to them, but, in general, provision is made for each student to room alone. The buildings are warmed throughout by steam, and lighted by gas. Bath-rooms are placed on every floor. The buildings are thoroughly ventilated on an approved system.

**EXPENSES AND PECUNIARY AID**—Students have only to make pecuniary provision for about eight months of study annually. In the remaining four months of vacation, from May to September, they have the opportunity of engaging in Home Missionary or other labor, with remuneration for their services.

The expenses for the annual session are \$4 to \$5 a week for board; \$15 to \$28 for fuel and lights; and \$10 a year for care of room and other incidental expenses. There is no charge for instruction, room rent, or use of Libraries.

Students whose circumstances require it, will receive \$100 a year from the income of Scholarships and other funds belonging to the Department. Additional aid to the amount of \$100 annually is afforded by the American Education Society to its beneficiaries. In special cases additional aid towards the expense of board will be given. These means of assistance fully cover all the expenses mentioned above.

The Scholarships belonging to the Department bear respectively the names of James Hillhouse, William Leffingwell, George E. Dunham, Normand Smith, E. E. Salisbury, Thomas R. Trowbridge, Charles Atwater, Richard Borden, Samuel



Holmes, Charles Nichols, Roland Mather, Noah Porter, John DeForest, J. R. Beadle, David Root, Mary Goodman, Orin Fowler, and Edward Bull.

A Graduate Scholarship has been established in this Department, as a memorial of the late Mrs. Aurelia D. Hooker, of New Haven. It is offered for the first time to the class which entered in September, 1876, and will be assigned at graduation to that member of the class who shall be judged by the Faculty of the Department to be most worthy of it. The person to whom the scholarship shall be given will receive the annual income (\$700) for two years after graduation, and will be expected to pursue a course of theological study, either as a resident at the Seminary, or, in case he may prefer to do so, in Europe and Palestine.

After the close of the second year in May, students have frequent opportunities to receive remuneration for preaching in the neighboring churches.

In general it may be said, that sufficient aid will be provided for every young man who gives promise of usefulness in the ministry, to enable him, in connection with his own efforts, to complete a course of theological study.

COMMENCEMENT OF THE TERM, VACATION, ETC.—The session for 1876-77 began on Thursday, Sept. 14, and will continue till the third Thursday in May, when the public Anniversary is held. The annual examination of the classes, and the meeting of the Alumni, are held in the same week. The next annual term will begin on Thursday, September 13, 1877.

By thus throwing all the vacations into one, the most favorable season of the year is secured for study, while the opportunity is given, in the four months' vacation, to engage in some form of benevolent labor, in connection with the missionary efforts of the churches, or in the service of one of the benevolent societies, by which the practical experience required of the pastor, as well as pecuniary compensation, may be obtained. Should any students prefer to spend the vacation in theological reading, the Professors will counsel them in the choice of books.

DEGREE—The degree of Bachelor of Divinity is conferred on all members of the Department who at the end of the Senior year pass the prescribed examination, and present an approved thesis on some topic in theology.

## MEDICAL DEPARTMENT

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THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Chemistry and Toxicology, a Professor of Obstetrics and the Diseases of Women and Children, a Professor of Materia Medica and Therapeutics, a Professor of Histology, Pathology, and Microscopy, a Professor of the Theory and Practice of Medicine, a Professor of Surgery, a Professor of General and Special Anatomy, a Lecturer on Physiology, a Lecturer on Ophthalmology and Otology, and a Demonstrator of Anatomy.

The course of study is divided into two terms in each year, a Spring Term and a Winter Term.

In the Spring Term, instruction is given by recitations and lectures. In this Term the students are classified, so that those who are just entering on the study are taught during their *first* year only the more elementary branches; while the studies of the *second* year include the more practical branches. Provision is made for students attending a *third* year, to review the studies of the entire course, with the addition of such collateral branches and advanced courses of reading as the necessities or attainments of individual pupils may require. Two or more recitations are held daily.

The instruction in the Winter Term is conducted by means of Public Lectures, with daily examinations, illustrated by Hospital Instruction, Medical and Surgical Clinics, with abundant facilities for Anatomical Dissections.

While the studies of each of these terms are independent and so far complete in their parts that they may be pursued separately with profit, yet they are designed to be so related to each other, that together they make a full and rounded curriculum of proportional study. In no way can the student more easily and naturally acquire a clear and comprehensive knowledge of the medical sciences in their present advanced position, than by taking these courses in connection, and pursuing his studies at the College for the entire period of three years.

The Spring Term will begin March 1, 1877, and continue to the Annual Commencement, June 28. The Winter Term for 1877, being the *Sixty-fifth Annual Course of Lectures*, will begin October 4, and close January 31, 1878.

**CHEMISTRY**—The chemical instruction in each term is intended to supplement that given in the other. In the Winter Term, lectures, fully illustrated by experiments, are given upon General Chemistry during the first half of the term; and upon Organic and Physiological Chemistry (including the Chemistry of the urine) and Toxicology during the second half. In the Spring Term, Theoretical Chemistry is taught by recitations, and Practical Chemistry by Laboratory work. The Junior Class work in Elementary Qualitative Analysis; the Middle Class in advanced Analysis, including the examination of drugs, the urine, calculi, etc. These exercises consist of two hours' daily work. The Senior Class are taught to make original researches in Physiological Chemistry.

**DISSECTING ROOMS**—The spacious and well-appointed Dissecting Rooms are amply supplied with anatomical material at a reasonable charge, under the personal direction of the Demonstrator.

**MICROSCOPY, HISTOLOGY, AND PATHOLOGY**, are illustrated by a sufficient number of compound microscopes and a large collection of the best preparations. It is believed that no institution in this country furnishes the student greater facilities for acquiring exact knowledge in this department.

A **SURGICAL CLINIC** is held at the College at 12 M., every Wednesday, and a **MEDICAL CLINIC** at 3 P. M., every Friday. Medical and Surgical Clinics are also held at the Hospital every week during the Lecture Course. The facilities for Clinical instruction are large, and continually increasing. In connection with the Clinics, students are made thoroughly conversant with the special methods of the expert practitioner, by having exhibited to them from day to day all the recent advances attained in special manipulations, physical explorations, and the enlightened employment of remedies. All Surgical operations are performed in the presence of the students, and every endeavor is made to familiarize them with the use of all instruments and surgical appliances.

**THE MUSEUM** contains a large collection of natural and morbid specimens, numerous casts, plates, and models, of ele-

gant execution, and an extensive Cabinet of *Materia Medica*, all of which are made practically useful in illustrating the subjects taught. The Libraries of the University and the Cabinets of Mineralogy and Natural History are also open for the use of students.

COMPARATIVE ANATOMY, ZOOLOGY, AND OTHER DEPARTMENTS COLLATERAL TO MEDICAL STUDIES—Special advantages are offered to Medical Students for the pursuit of Zoology, Comparative Anatomy, Botany, and other cognate studies, under distinguished teachers, in connection with the Sheffield Scientific School.

OPHTHALMOLOGY AND OTOTOLOGY are taught by a course of practical Lectures, with Clinical Illustrations.

REQUIREMENTS FOR GRADUATION—Every candidate for a degree is required to possess, in addition to a good English education, a competent knowledge of the Latin language and of the principles of Natural Philosophy; to present to the Dean, two weeks before examination, a *Thesis*, written by himself, upon some medical subject; to present a satisfactory certificate that he is twenty-one years of age, and possesses a good moral character. He must have attended two full courses of public lectures, one at least of which must have been in this Institution. He must present a satisfactory certificate from a respectable and regular practitioner of medicine that he has attended to the study of physic and surgery for three years, including the time spent in attendance upon medical lectures.\* In case he is a graduate of college his diploma is received as equivalent to a certificate of medical study for one year.

The Board of Examiners consists of the Faculty and an equal number of the Members of the Connecticut Medical Society, appointed by the President and Fellows of the same; and the President of the Society is *ex-officio* President of the Board. The examinations are conducted in writing.

Two examinations for degrees are held annually, one at the close of the Winter Term, and the other at the close of the Spring Term, on the Tuesday before Commencement.

\* The Spring Term is counted as part of the time required for Medical Study; but it does not count as one of the courses of Public Lectures required for Graduation.

## TUITION FEES, ALWAYS REQUIRED IN ADVANCE

Matriculation Fee, paid annually,	-	-	-	\$	5.00
Course of Lectures in Winter Term,	-	-	-		105.00
For the Spring Term,	-	-	-	-	60.00
Contingent Expenses of Laboratory, Spring Term,					10.00
Demonstrator's Ticket,	-	-	-	-	5.00
Graduation Fee,	-	-	-	-	25.00

In the Winter Term students may take the whole or part of the lectures, at their option; fee for each Professor's ticket, \$15.

Those who have attended two full courses of lectures in this Institution, and those who have attended one full course of Lectures in this Institution and a full course in a similar Medical College, are entitled to admission to the Lectures of any future Winter Term on the payment of Five Dollars for incidental expenses. Those who have attended two full courses in any other accredited Medical College, may receive all the tickets for the Winter Term, including Matriculation, for \$50.

## LAW DEPARTMENT

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THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Mercantile Law and Evidence, a Professor of Elementary and Criminal Law and the Law of Real Property, a Professor of Constitutional Law, Contracts, and Wills, a Professor of Pleading and Equity Jurisprudence, and an Instructor in Public Law. Lectures are also delivered by Rev. THEODORE D. WOOLSEY, D.D., LL.D., on International Law, Rev. LEONARD BACON, D.D., LL.D., on Ecclesiastical Law, Hon. ORIGEN S. SEYMOUR, LL.D., on Judicial Procedure and Practice, Hon. LAFAYETTE S. FOSTER, LL.D., on Parliamentary Law, and the Science of Legislation, Professor WAYLAND on English Constitutional Law and History, Professor ROBINSON on Medical Jurisprudence, MARK BAILEY, M.A., on Forensic Elocution, Professor BALDWIN on Roman Law and Comparative Jurisprudence, Professor PLATT on General Jurisprudence, Professor HOPPIN on Forensic Composition, and FREDERIC H. BETTS, M.A., on Patent Law.

TERMS AND VACATIONS—There are two terms in each year: the Fall Term, beginning on the same day with the first Academical Term (Sept. 14, 1876), and continuing fourteen weeks (to Dec. 21, 1876); and the Spring Term, beginning (Feb. 1, 1877) after a vacation of six weeks, and closing at Commencement (June 28, 1877), with a recess of one week (beginning Wednesday, April 18).

## COURSE OF INSTRUCTION

### UNDERGRADUATE COURSE

The Undergraduate Course occupies two years, the students being divided into two classes, for each of which a special course of study is provided. The daily exercises consist of lectures and recitations from standard text books, the latter being accompanied by oral explanations. The students are frequently referred to the leading cases on the subject under

consideration, and required to be prepared for questions upon them at the next exercise: they are also encouraged to put questions freely to the instructor at all recitations. On every Wednesday a moot court is held, at which one of the professors acts as judge. The students acting as counsel, in the argument of cases, are required to draw the necessary pleadings in the common law form.

Members of either Class can attend the lectures of Professors to undergraduates in other Departments of the College, whenever it is compatible with their other engagements; and, with a few exceptions only, without charge. They can also attend one or more of the special courses of graduate instruction in the Department of Philosophy and the Arts, on payment of a moderate fee. (See page 49.)

The regular curriculum of study is as follows:

#### JUNIOR YEAR

**FALL TERM**—Recitations: Elementary Law, Prof. Robinson; Torts, Prof. Platt; International Law, Mr. Woolsey. Lectures: Nature and History of American Law, and Wills, Prof. Baldwin; Methods of Study, President Porter.

**SPRING TERM**—Recitations: Contracts, Prof. Baldwin; Mercantile Law, and Evidence, Prof. Wayland; Pleading, Prof. Platt; International Law, Mr. Woolsey. Lectures: English Constitutional Law, Prof. Wayland; General Jurisprudence, Prof. Platt; Forensic Elocution, Mr. Bailey; Forensic Composition, Prof. Hopkin.

#### SENIOR YEAR

**FALL TERM**—Recitations: Equity, Prof. Platt; Contracts, Prof. Baldwin; Mercantile Law, Prof. Wayland. Lectures: International Law, President Woolsey; Parliamentary Law and the Science of Legislation, Judge Foster; Comparative Jurisprudence, and Roman Law, Prof. Baldwin.

**SPRING TERM**—Recitations: Contracts, Prof. Baldwin; Mercantile Law, Prof. Wayland; Real Property, Prof. Robinson. Lectures: Judicial Procedure and Practice, Judge Seymour; American Constitutional Law, Prof. Baldwin; Ecclesiastical Law, Dr. Bacon; Political Economy, Prof. Wayland; Patent Law, Mr. Betts; Criminal Law, and Medical Jurisprudence, Prof. Robinson.

A course of study is also provided for those who do not intend to engage in the practice of the Law, but wish to obtain a knowledge of its principles to complete their education, or with reference to mercantile pursuits.

The principal text-books used are, in Junior year, Robinson's Notes on Elementary Law, Addison on Torts (abridged), Parsons on Contracts, Gould on Pleading, Woolsey's Introduction to the study of International Law, and Greenleaf on Evidence, vol. I.; in Senior year, Parsons on Contracts, Smith's Manual of Equity Jurisprudence, Williams on Real Property, and Woolsey's Introduction to the Study of International Law.

Students are also recommended to read during their course the following works, in connection with their regular exercises: Blackstone's Commentaries, Smith's Mercantile Law, Smith's Leading Cases, Washburn on Real Property, Kent's Commentaries, Maine's Ancient Law, Hadley's Roman Law, Stephen on Pleading, Dicey on Parties, and Cooley on Constitutional Limitations.

At the close of the Spring Term, each Class is subjected to a written examination on the studies of the preceding year.

#### GRADUATE COURSE

The Graduate Course will occupy two years, and will be open to graduates from any Law School, having the degree of LL.B., under the conditions specified on pp. 91, 92. The terms and vacations will be the same as those in the undergraduate course in this department. The degree of Master of Law (M.L.) will be conferred upon examination at the close of the first year, and that of Doctor of Civil Law (D.C.L.) at the end of the second year. The curriculum for the first year is particularly designed to supplement that of the undergraduate course by affording further instruction in branches there pursued; that of the second year is designed to meet the wants of those who aim at acquiring a thorough acquaintance with jurisprudence and its affiliated studies, as a means of completing their education, without confining themselves to such topics as are of the first necessity to the practicing lawyer.

The arrangement of the curriculum is as follows:

FOR CANDIDATES FOR THE DEGREE OF M.L.—Administration of Estates, English Constitutional History, and Evidence in Equity, Prof. Wayland; Admiralty Law, Medical Jurisprudence, Forensic Oratory and Rhetoric, Prof. Robinson; Practice in the U. S. Courts, Railroad Law, and American Constitutional History, Prof. Baldwin; General Jurisprudence, Corporations, and Procedure in States having a Civil Code, Prof. Platt; Roman Law, Mr. A. S. Wheeler; English History, Prof. A. M. Wheeler; International Law, Prof. Sumner.

FOR CANDIDATES FOR THE DEGREE OF D.C.L.—Ethics, President Porter; Parliamentary Law, Political Science, and Hermeneutics, Prof. Wayland; Conflict of Laws, Early History of Real Property, Forensic Oratory, and Canon Law, Prof. Robinson; Comparative Jurisprudence, Study of Modern European Legislation, Political History, and Roman Law, Prof. Baldwin; General Jurisprudence, and Principles of Legislation, Prof. Platt; Roman Law, Mr. A. S. Wheeler; Relations of Physical Geography to Political History, Prof. Brewer; Political Economy, Prof. Walker; Sociology, Prof. Sumner.

Among the principal text-books used, are Greenleaf on Evidence, Vol. III, Benedict's Admiralty, Desty's Federal Procedure, Pierce on American Rail-



road Law, Austin on Jurisprudence, Angell and Ames on Private Corporations, Dillon on Municipal Corporations, Pomeroy's Remedies and Remedial Rights, the Institutes of Gaius, and of Justinian, and the Pandects, Story on the Conflict of Laws, Lieber's Principles of Legal and Political Interpretation, Digby on the Early History of Landed Property, and Wharton on Private International Law.

There is one exercise daily for those pursuing each year of the graduate course, and the preparation for it, with the collateral course of reading which will be prescribed for each, the preparation of the graduating thesis, etc., will be such as to occupy the working time of the student throughout the year. Resident graduates, whose time is partly occupied otherwise, can take part of the studies for the Master's degree during one year, and the remainder the next year, if they choose; thus deferring their examination till the end of the second year.

A knowledge of Latin will be necessary for those pursuing the studies of the last year of the course, but will not be indispensable for candidates for the degree of M.L. Students desiring to spend their whole time upon certain of the branches indicated, to the exclusion of others, will be allowed to do so, and for such, a special course of reading and examination will be marked out, in each case.

Graduates of this or other Law Schools, who desire to pursue a course of advanced studies, of a similar character to those above indicated, under the supervision of the Faculty, without residing at New Haven, can do so by entering their names as special students in the graduate course, not candidates for a degree. To such students a course of reading will be prescribed, having reference to the previous studies and circumstances of each: moot cases, in which they are to draw the pleadings and prepare written briefs, and subjects for theses, will also be given out from time to time. They will be required to be present at New Haven at least once a year for oral examination on the works read, and will receive a proper certificate, if the examination is satisfactory.

**TERMS OF ADMISSION**—Applicants for admission must be at least eighteen years of age, and must produce certificates of good moral character. No student who has not taken a degree from some collegiate institution, will be admitted as a candidate for a degree, until he has passed a satisfactory examination on the following branches: English Grammar (including Composition and Orthography); the outlines of the History of England, and of the United States; the text of the Constitution of the United States.

To entitle a person to admission to advanced standing as a member of the Senior Class, he must be at least nineteen years of age; must have studied Law under a competent instructor for at least a year; must pass such an examination as is required for those entering the Senior Class in the regular

course, and also (unless a college graduate) such an examination as is required of applicants for admission to the Junior Class.

Applicants for admission to advanced standing who have received a collegiate degree, or have passed the preliminary examination in English studies specified above, may either attend the regular annual Junior examination, which commences the second week before Commencement, or pass a special examination at the opening of the Fall Term, at which it will be sufficient if they are prepared to be questioned on Kent's Commentaries, lectures first to nine inclusive, fourteen to eighteen inclusive, and twenty, twenty-one, sixty, sixty-two and sixty-eight: Parsons on Contracts, subjects of bailments, partnerships, notes and bills, agents, gifts, capacity to contract, consideration and assent, sales, warranty, hiring, suretyship, infancy, married women, interest, marriage, construction, defences, estoppels, statute of limitation, damages and liens; Blackstone's Commentaries, first three books, or Robinson's Notes on Elementary Law, Gould on Pleading, Greenleaf on Evidence, vol. I, and Woolsey's Introduction to the Study of International Law.

Special students, not candidates for a degree, will be admitted to any of the exercises of the School, as heretofore, without examination.

**EXAMINATIONS**—There will be preliminary examinations of candidates for admission to the Junior Class at the opening of the Fall and Spring Terms, and at no other time.

Candidates for admission to the Senior Class will be examined at the end of the Spring Term, or beginning of the Fall Term; or at the close of the Fall Term, when their prescribed period of study shall mature at that time.

Seniors will be examined for a degree only at the close of the Spring Term; or at the close of the Fall Term when their prescribed period of study shall mature at that time.

Examinations for degrees in the graduate course will be held only at the close of the Spring Term.

Every candidate for each degree, both in the undergraduate and graduate courses, must also submit a thesis on a given legal topic, which must be approved by the Faculty.

**LIBRARY**—The special Library of the Department, which has a permanent endowment for its support (the English Fund),\*

\* Established by Hon. James E. English, M.A., in 1873.

contains over eight thousand volumes, comprising a complete collection of the English, American, and Irish Reports of judicial decisions, and an extensive collection of text-books, and works on jurisprudence and political history and philosophy. The consulting room is also supplied with the leading legal periodicals. The Library is open daily, during term time, from 8 A. M. to 12.45 P. M., and from 2 to 5.45 P. M. (with the exception of Saturday afternoon); during vacations, it is not opened until 9 A. M.

The students can also draw books without charge from the general University libraries, now containing over 100,000 volumes.

**PRIZES**—The **TOWNSEND Prize**,\* of one hundred dollars, is annually awarded to that member of the Senior class who shall write and pronounce the best oration or thesis at his graduation, at the public anniversary exercises of the Department, on the day before Commencement.

The **JEWELL Prizes**,† each of fifty dollars, are annually awarded as follows: One prize to that member of the Senior class who receives the highest marks at the final examination of his class at their graduation; one prize to that member of the Senior class who shall write the best dissertation on a given legal topic; and one prize to that member of the Junior class who shall write the best dissertation on a given legal topic.

The **BETTS Prize**,‡ of fifty dollars, is awarded to that member of the Junior class who receives the highest marks at his annual examination.

The **CIVIL LAW Prize**, of thirty dollars, is awarded for the best dissertation on a given topic connected with the Roman Law.

**BUILDINGS, AND FACILITIES FOR OBSERVING PRACTICE**—The School occupies an entire story of the Court House of New Haven County, having upon the same floor a lecture room accommodating two hundred students, a large library hall, a Moot Court room, an instructor's room, and other apartments furnishing every needed convenience for Law clubs and debating societies.

\* Established by Hon. James M. Townsend in 1874.

† Established by Hon. Marshall Jewell, M.A., in 1871.

‡ Established by Frederic H. Betts, M.A., in 1875.

Two terms of the Supreme Court of Errors of Connecticut, one term of the United States Circuit Court, and two terms of the United States District Court, are held annually in New Haven; and the Superior Court and Court of Common Pleas, the principal *nisi prius* Courts of the State are also in session almost daily during each of the Law School terms.

**DEGREES**—The degree of Bachelor of Laws will be conferred by the Corporation upon the recommendation of the Faculty of the Department, based on a satisfactory examination and the submission of a satisfactory thesis, on the following persons:

1st. Attorneys at Law, who have been members of the Department for one year after their admission to the Bar.

2d. Any students who have been members of the Department for not less than four terms, and who passed satisfactorily the Junior examination at the end of their first year.

3d. Upon those who have received the degree of Bachelor or Doctor in any of the Arts or Sciences from any incorporated College or University, and have subsequently been members of this Department for not less than eighteen months, or three terms, and who passed satisfactorily an examination at the end of their first or second term, on all the studies of the Junior year.

4th. Upon students who have been admitted to advanced standing as members of the Senior Class, and have remained in that Class for not less than one year or two terms.

Six months' study in the Law School of any other College or University, in the case of College graduates, or one year's study at such a School in other cases, is deemed equivalent to attendance during the same time in this Department, in computing the time prescribed for applicants, who come under the second and third of the preceding paragraphs.

Graduates of the Department receiving this degree are admitted to the Connecticut Bar without further examination.

By the rules adopted by the Court of Appeals of New York, a year's attendance at this Law School is counted the same as a similar period spent in the office of an attorney of that Court in New York.

The degree of Master of Law (M.L.) will be conferred by the Corporation on the recommendation of the Faculty of the Department, on persons, who, after having taken the degree of Bachelor of Laws, pursue, during at least one year, such a course of advanced studies as the Faculty may direct.

Bachelors of Laws, who also have the degree of Bachelor of Arts or of Philosophy, or who, having the degree of LL.B. from this college, ranked among the first quarter of their class in scholarship, according to their average marks at their final examination for that degree, may, after having taken the degree of M.L., apply for that of Doctor of Civil Law (D.C.L.). All applicants for the latter degree must have a good knowledge of Latin, and also of either the French or German language. The course of instruction will extend over at least one year after taking the master's degree, and the Faculty will recommend no one for the degree of D.C.L., who has not attained a high standard of proficiency in the studies pursued.

Neither degree will be conferred, except upon candidates who pursue their studies at New Haven, under the direction of the Faculty, pass with credit a strict final examination, and present a satisfactory thesis.

EXPENSES—The fees are the same, for tuition and use of library, in the Undergraduate and in the Graduate courses; viz., \$45 for the Fall Term, and \$55 for the Spring Term, or \$90 for the entire annual session, to be paid to the Treasurer of the College in advance, or secured by bond satisfactory to him: where payment is not made in advance, interest will be added. Candidates for a degree who pursue their studies beyond the minimum period of attendance required before applying for examination, will be charged only half these rates for their subsequent tuition. The diploma fee is \$5, and the Court fees for admission to the Bar are \$8. A further fee of \$5 is chargeable for admission to practice in the U. S. Courts for the District of Connecticut, if this is also desired. The tuition charges for special students in the graduate course, not candidates for a degree, vary from \$25 to \$100 a year, in proportion to the amount of instruction and supervision required.

Board and lodging can be obtained at prices ranging from \$6 a week upwards.

For further particulars, inquiries may be addressed to Professor Francis Wayland, Dean of the Faculty, at New Haven, Conn.

## PEABODY MUSEUM OF NATURAL HISTORY

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### TRUSTEES

PROFESSOR JAMES D. DANA, PH.D., LL.D., *Chairman*  
HIS EXCELLENCY CHARLES R. INGERSOLL, LL.D., *ex officio*  
THE HONORABLE ROBERT C. WINTHROP, LL.D.  
PROFESSOR BENJAMIN SILLIMAN, M.D.  
PROFESSOR GEORGE J. BRUSH, M.A., *Treasurer*  
PROFESSOR OTHNIEL C. MARSH, M.A.  
GEORGE PEABODY WETMORE, M.A.

### CURATORS

OTHNIEL C. MARSH, M.A., *Curator of the Geological Cabinet*  
ADDISON E. VERRILL, M.A., *Curator of the Zoological Cabinet*  
EDWARD S. DANA, PH.D., *Curator of the Mineralogical Cabinet*

The gift of the Founder, GEORGE PEABODY, of London, was committed to the Board of Trustees, in October, 1866, "to found and maintain a Museum of Natural History, especially in the departments of Zoology, Geology, and Mineralogy, in connection with Yale College." Of the entire gift (\$150,000), \$100,000 was devoted by the donor to the erection, on land given for the purpose by the President and Fellows of the College, of a fire-proof building, planned with especial reference to subsequent enlargement. Of the remainder of the gift, the sum of \$20,000 is set apart as a reserve fund for the completion of the building, and the income of \$30,000 is available for the care of the Museum and the increase of its collections.

By the accumulations from investment of the original building-fund, the first wing of the Museum is now completed, at a cost of about \$140,000, or, with the cases, \$175,000.

The basement will be used for exhibiting the collection of fossil footprints from the Connecticut valley, and for work and storerooms. The first story contains the Mineral Cabinet, and rooms for instruction in Mineralogy, as well as the general lecture room. The second story is entirely devoted to Geology, and the third to Zoology. In the fourth story the large south room will be used for the collection in Archæology and Ethnology, and the remainder for storerooms.

So far as the collections are arranged, the Museum is open to students and the public every day in term-time.

## LIBRARIES

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THE COLLEGE LIBRARY numbers about 80,000 volumes, besides many thousand unbound pamphlets. It is designed for the use of the College officers, resident graduates, and the students of the various departments. Other persons may have the privilege of consulting the Library and drawing books, by permission of the Library Committee. The Library is open daily in term-time from 9½ A. M. to 1 P. M., and from 2½ to 5 P. M. (or, during the winter months, to 4½ P. M.)

In the same building is the LINONIAN AND BROTHERS LIBRARY, designed primarily for the use of the undergraduate students, and containing about 20,000 volumes. This library is open daily, from 1½ to 3 P.M.

The Theological, Law, Medical, and Scientific Schools have each a special Library, accessible to the students of those schools.

The Library of the AMERICAN ORIENTAL SOCIETY, numbering about 3,500 printed books and manuscripts, is kept in the College Library building.

### SUMMARY

College Library (exclusive of pamphlets) about	-	80,000 vols.
Linonian and Brothers Library, about	- - -	20,000 "
Libraries of the Professional Schools, about	- -	17,000 "
		<u>117,000</u>

## APPOINTMENTS FOR COMMENCEMENT,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, JUNE 29, 1876

### ORATIONS

ARTHUR T. HADLEY, Valedictory Oration, *New Haven*

EDWIN D. WORCESTER, Salutatory Oration, *Albany, N. Y.*

GEORGE W. ROLLINS, Philosophical Oration, *Hyde Park, Mass.*

WILLIAM WALDO HYDE, Philosophical Oration, *Hartford*

JOHN B. KENDRICK, Philosophical Oration, *Wallingford*

John B. Gleason, <i>Delhi, N. Y.</i> George E. Bushnell, <i>Beloit, Wisc.</i>	{ David W. Brown, <i>Ogdensburgh, N. Y.</i> { Myron H. Phelps, <i>Elmwood, Ill.</i> { Frank A. Gaylord, <i>New York City</i>
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{ Elisha S. Bottum, <i>Norwich</i> { George E. Coney, <i>New Haven</i> { Charles H. Willcox, <i>Stamford</i>	{ William B. Lamberton, <i>Harrisburg, Pa.</i> { Leveritt H. Sage, <i>Hackensack, N. J.</i>
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### DISSERTATIONS

Fred N. Wright, <i>Cortland, N. Y.</i> John E. Durand, <i>Rochester, N. Y.</i> Oliver E. Lyman, <i>New Haven</i>	{ Louis B. Schram, <i>Milwaukee, Wisc.</i> { George L. Sterling, <i>Trumbull</i> { Wm. T. Strong, <i>West Roxbury, Mass.</i>
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### DISPUTES

Bradbury Bedell, <i>Athens, N. Y.</i> Lewis J. Warren, <i>Killingly</i> { Michael Furst, <i>Brooklyn, N. Y.</i> { Elmer P. Howe, <i>Worcester, Mass.</i> William J. Wakeman, <i>Westport</i>	{ Stanley Dwight, <i>New York City</i> { Jacob Goodman, <i>Baltimore, Md.</i> { Dwight W. Hunter, <i>Terryville</i> { Louis W. Maxson, <i>San Francisco, Cal.</i>
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{ Archibald A. Austin, <i>Paris, Ill.</i> { Frank E. Wheeler, <i>Utica, N. Y.</i> { Edward L. Lockwood, <i>Goshen, N. Y.</i> { Phillip G. Russell, <i>New Haven</i> { Rufus B. Smith, <i>Cincinnati, O.</i>	{ Otis T. Bannard, <i>McGregor, Iowa</i> { Herbert S. Young, <i>Griswold</i>
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### COLLOQUIES

{ Joseph S. Hunn, <i>Rochester, N. Y.</i> { Francis A. Leach, <i>Lyons, N. Y.</i> { Lowell L. Clapp, <i>West Killingly</i> { Robert B. Fleming, <i>Jersey City, N. J.</i> { Charles C. Swisher, <i>Bloomsburg, Pa.</i>	{ John Porter, <i>New York City</i> { Joseph H. Marvin, <i>Brooklyn, N. Y.</i> { Joseph C. LeBourgeois, <i>St. James, La.</i> { Winthrop H. Perry, <i>Southport</i> { William H. Patton, <i>Waterbury</i>
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{ Horace R. Buck, <i>Sedalia, Mo.</i> { Chester M. Dawes, <i>Pittsfield, Mass.</i> { John J. Jennings, <i>Coventry</i> { John H. Philip, <i>Claverack, N. Y.</i> { Arthur H. Ely, <i>Brooklyn, N. Y.</i> { Frederic W. Pangborn, <i>Jersey City, N. J.</i> { Nathan P. Tyler, <i>Barrytown, N. Y.</i>	{ William Arnold, <i>Brooklyn, N. Y.</i> { Charles DeF. Hawley, <i>Chicago, Ill.</i> { David Trumbull, <i>Valparaiso, Ind.</i> { Frank W. Vaille, <i>Springfield, Mass.</i> { Dan B. Cushman, <i>Plymouth, N. Y.</i> { John F. Nelson, <i>Brooklyn, N. Y.</i>
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The graduating class numbered one hundred and twenty-one.



## APPOINTMENTS FOR JUNIOR EXHIBITION,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, CLASS OF 1877

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### ORATIONS

JOHN B. ATWATER, *Minneapolis, Minn.*

CHARLES C. CAMP, *West Meriden*

THOMAS D. GOODELL, *New Haven*

JOHN S. THACHER, *New Haven*

Webster Merrifield, *Williamsville, Vt.* | Frederick B. Percy, *Bath, Me.*

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Charles F. Chapin, <i>South Hadley Falls, Mass.</i>	Orray T. Sherman, <i>Newburgh, N. Y.</i>
Cleaveland Forbes, <i>San Francisco, Cal.</i>	Morris S. Shipley, <i>Cincinnati, O.</i>
Edwin B. Goodell, <i>New Haven</i>	Gerrit Smith, <i>Madison</i>
Arthur R. Kimball, <i>West Haven</i>	George M. Tuttle, <i>Minneapolis, Minn.</i>
	Frederic S. Winston, <i>Chicago, Ill.</i>

### DISSERTATIONS

Frank E. Clark, <i>Northampton, Mass.</i>	George H. Thomas, <i>Norwich</i>
Samuel L. Eaton, <i>Lancaster, Wisc.</i>	Charles C. Tyler, <i>Rome, N. Y.</i>
William H. Kelsey, <i>Bridgeport</i>	Philip J. Wilson, <i>Millerton, N. Y.</i>
Henry M. Rood, <i>Natal; S. Africa</i>	

### DISPUTES

Samuel A. Fisk, <i>Northampton, Mass.</i>	Frank H. Platt, <i>Owego, N. Y.</i>
William J. Forbes, <i>Brooklyn, N. Y.</i>	Clarence L. Reid, <i>Chicago, Ill.</i>
Arthur H. Gulliver, <i>Norwich</i>	Daniel D. Sherman, <i>Newburgh, N. Y.</i>
James B. Neal, <i>Bloomsburg, Pa.</i>	William P. Williams, <i>Stratford</i>

---

Arthur U. Bannard, <i>Salem, N. Y.</i>	Gustavus Eliot, <i>North Haven</i>
Charles W. Barnes, <i>New York City</i>	Lewis E. Goodier, <i>Utica, N. Y.</i>
John K. Beach, <i>New Haven</i>	Ardon L. Judd, <i>Stratford</i>
James P. Davenport, <i>Brooklyn, N. Y.</i>	

### COLLOQUIES

John W. Bristol, <i>New Haven</i>	Alpheus C. Hodges, <i>Rochester, N. Y.</i>
Joseph H. Chandler, <i>Saxton's River, Vt.</i>	John E. Keeler, <i>Stamford</i>
Elbridge C. Cooke, <i>Worcester, Mass.</i>	George E. Matthews, <i>Buffalo, N. Y.</i>
Russell Frost, <i>Delhi, N. Y.</i>	John M. Whitehead, <i>Hillsboro, Ill.</i>

---

Walter Brooks, <i>Rye, N. Y.</i>	Theodore Peet, <i>New York City</i>
Charles M. Clarke, <i>Monterey, Mass.</i>	Orville Reed, <i>Lansingburgh, N. Y.</i>
William W. Collin, <i>Penn Yan, N. Y.</i>	Frank H. Shaffer, <i>Cincinnati, O.</i>
Charles P. Dickinson, <i>Fitchburg, Mass.</i>	George F. Shelton, <i>Southbury</i>
Orlando Hall, <i>Cleveland, O.</i>	William H. Upton, <i>Portland, Oregon</i>
Eric H. Johnson, <i>Putnam</i>	Samuel M. Waln, <i>Walnford, N. Y.</i>
William P. Macomber, <i>Portsmouth, R.I.</i>	Frank W. Wheaton, <i>Binghamton, N. Y.</i>
Frank W. Murray, <i>Goshen, N. Y.</i>	

*Exhibition, March 30, 1876*

**DOUGLAS Fellow—EDWARD D. ROBBINS, B.A., Class of 1874**  
**SOLDIERS' Memorial Fellow—GEORGE E. BUSHNELL, B.A., Class of 1876**

BERKELEY Scholar—Class of 1874—GEORGE L. FOX, B.A.  
 BERKELEY Scholar—Class of 1875—HENRY M. WALRADT, B.A.  
 CLARK Scholar—Class of 1875—HENRY M. WALRADT, B.A.  
 BRISTED Scholar—Class of 1876—ARTHUR T. HADLEY, B.A.  
 CLARK Scholar—Class of 1876—GEORGE L. STERLING, B.A.  
 W. W. DEFOREST Scholar—Class of 1876—EDWIN D. WORCESTER, B.A.  
 WOOLSEY Scholar—Class of 1877—JOHN S. THACHER  
 WOOLSEY Scholar—Class of 1878—CLARENCE H. KELSEY  
 WOOLSEY Scholar—Class of 1879—ERNEST CARTER  
 HURLBUT Scholar—Class of 1879—MALCOLM M. MCKENZIE  
 THIRD FRESHMAN Scholar—Class of 1879—HENRY HITCHCOCK

### UNIVERSITY PRIZE

**ACADEMICAL DEPARTMENT**[illegible]

Class of 1876—Walker Blaine, Elisha S. Bottum, George E. Bushnell, Frank A. Gaylord, John B. Gleason, Arthur T. Hadley, Philip Hale, W. Waldo Hyde, Myron H. Phelps, David Trumbull, Edwin D. Worcester

## Class of 1878—1st Term

<i>1st Prizes</i>	<i>2d Prizes</i>	<i>3d Prizes</i>
Frank A. Beckwith	George B. Edwards	John P. Clarke
Edward H. Seely	Edward W. Flagg	Harry C. Coe
William H. Taft	John G. Jennings	Edward P. Hickox
Edward B. Whitney	Clarence H. Kelsey	Louis Hood

## Class of 1878—2d Term

<i>1st Prizes</i>	<i>2d Prizes</i>	<i>3d Prizes</i>
Harry C. Coe	Harlan P. Beach	George W. Burton
George B. Edwards	Edward W. Flagg	Edward P. Hickox
John G. Jennings	Clarence H. Kelsey	Samuel M. Moores
William H. Taft	John A. Porter	William E. Waters

## JUNIOR EXHIBITION PREMIUMS—CLASS OF 1877

1st Prize, Samuel L. Eaton; 2d Prizes, Charles W. Barnes, Charles F. Chapin, James P. Davenport, Samuel A. Fisk, Edwin B. Goodell, Thomas D. Goodell, Arthur R. Kimball, Frederick B. Percy, George H. Thomas

## PREMIUMS FOR DECLAMATION—CLASS OF 1878

1st Prize, George B. Edwards; 2d Prize, Frank A. Beckwith and Edward H. Seely; 3d Prize, Charles F. Carter

## PREMIUMS FOR SOLUTION OF MATHEMATICAL PROBLEMS

Class of 1878—1st Prizes, John I. McDonald, Charles S. Shepard; 2d Prizes, Samuel M. Moores, Edward L. Morse

Class of 1879—1st Prize, Edward J. Judd; 2d Prize, Henry C. Crouch; 3d Prize, Howard D. Newton

## BERKELEY PRIZES FOR EXCELLENCE IN LATIN COMPOSITION

Class of 1879—1st Prizes, Ernest Carter, Samuel M. Foster, Henry Hitchcock, Malcolm M. McKenzie, Charles B. Peck, Edward Southworth, George D. Watrous; 2d Prizes, John V. Farwell, Edward J. Judd, Edward M. Noyes, Frederic T. Simpson, Henry J. TenEyck, Ambrose Tighe, William C. Husted, Albert W. Shaw

## SHEFFIELD SCIENTIFIC SCHOOL

## Class of 1876

FOR EXCELLENCE IN ENGLISH LITERATURE, Thomas E. Sherman  
 FOR EXCELLENCE IN GERMAN, Max Mailhouse  
 FOR EXCELLENCE IN FRENCH, Frederick P. Dewey  
 FOR EXCELLENCE IN CIVIL ENGINEERING, Porter D. Ford

## Class of 1877

FOR EXCELLENCE IN MATHEMATICS OF JUNIOR YEAR, Joseph P. Iddings, with honorable mention of John E. Buddington  
 FOR EXCELLENCE IN CHEMISTRY, Horace L. Wells  
 FOR EXCELLENCE IN MINERALOGY, Samuel L. Penfield

## Class of 1878

FOR EXCELLENCE IN ALL THE STUDIES OF FRESHMAN YEAR, Levi A. Eliel,  
with honorable mention of John P. Bartlett

FOR EXCELLENCE IN GERMAN, Ralph A. Harman

FOR EXCELLENCE IN MATHEMATICS, Walter L. Cowles

FOR EXCELLENCE IN PHYSICS, Charles S. Churchill

FOR EXCELLENCE IN MECHANICAL DRAWING, John L. Blackmore

## Class of 1879

FOR THE BEST ENTRANCE EXAMINATION, William J. Comstock, of Toledo, O.,  
from Williston Seminary, Easthampton, Mass.

## LAW DEPARTMENT

JEWELL PRIZE, to the student passing the best examination at his graduation  
—John Howard Whiting, Ansonia

TOWNSEND PRIZE, to the student pronouncing the best oration at his graduation  
—John Wesley Wescott, B.A., New Haven

Committee of Award: Hon. Alphonso Taft, LL.D., Cincinnati, Ohio  
Hon. William A. Learned, M.A., Albany, N. Y.  
Hon. L. G. Finlay, B.A., Memphis, Tenn.

CIVIL LAW PRIZE, for the best dissertation on the *Actio Sacramenti*—Theodore S. Woolsey, B.A., New Haven, Class of 1876

Committee of Award: Prest. M. B. Anderson, LL.D., Rochester, N. Y.  
Prof. J. N. Pomeroy, LL.D., Rochester, N. Y.

JEWELL PRIZE, for the best dissertation, from a member of the Senior Class,  
on State Taxation of Non-residents or their Property—Henry Bidleman Bascom Stapler, B.A., Wilmington, Del.

Committee of Award: Hon. F. H. Dewey, Worcester, Mass.  
Hon. P. E. Aldrich, Worcester, Mass.

BETTS PRIZE, to the member of the Junior Class receiving the highest mark  
at his annual examination—Alfred Newton Wheeler, Ph.B., Southport

JEWELL PRIZE, for the best dissertation from a member of the Junior Class  
on Degrees of Negligence—Charles Palmer Sanford, New York City

Committee of Award: Hon. William C. Crump, B.A., New London, Conn.  
Hon. Augustus Brandegee, B.A., New London, Conn.

## HONORS\*

## Class of 1876

John Howard Whiting, Ansonia (Jewell Prize)

Levy Mayer, Chicago, Ill.

John Beale Mills, B.A., New Haven

Francis Hubert Parker, B.A., East Haddam

Henry Bidleman Bascom Stapler, B.A., Wilmington, Del.

## Class of 1877

Alfred Newton Wheeler, Ph.B., Southport (Jewell Prize)

Charles George Root, Waterbury

Hamilton Mercer Wright, B.A., New Haven

Arthur Gordon Bill, Chaplin

Timothy Davenport, B.A., Wilton

\* This list comprises the names of the five in each class who received the highest marks at its annual examination.

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ERRATUM—On page 53, the course of mathematical study in the Freshman year should be,  
 FIRST TERM—Loomis's Algebra; Todhunter's Euclid; Chauvenet's Geometry. SECOND  
 TERM—Chauvenet's Geometry; Loomis's Trigonometry.



For catalogues and other information, address THE SECRETARY OF YALE COLLEGE, NEW HAVEN, CONN.

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The last edition of the Triennial Catalogue of the Graduates of the College was published in 1874.

Obituary notices of deceased graduates are published annually.

All persons, who can supply information appropriate to the future editions of the Triennial Catalogue or Obituary Record, are urgently requested to communicate with the Secretary.

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The present edition of the Annual Catalogue is sent to every graduate whose address is known to the Secretary ; and in future the Catalogue will be sent annually to all graduates who may express a desire to receive it, and who will furnish their addresses for the purpose.

CATALOGUE  
OF THE  
OFFICERS AND STUDENTS  
OF  
YALE COLLEGE,

With a Statement of the Course of Instruction in the  
Various Departments,

1877-78

---

NEW HAVEN:  
TUTTLE, MOREHOUSE & TAYLOR, PRINTERS  
1877





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---

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TUTTLE, MOREHOUSE & TAYLOR, PRINTERS

1877

## ABBREVIATIONS

---

A.	-	-	-	-	-	-	-	Absent on leave
C.	-	-	-	-	-	-	-	Old Chapel
D.	-	-	-	-	-	-	-	Durfee College
E. D. H.	-	-	-	-	-	-	-	East Divinity Hall
F.						-	-	Farnam College
L.		-	-	-	-	-	-	Lyceum
N.	-	-	-	-	-	-	-	North College
N. M.	-	-	-	-	-			North Middle College
N. S. H.	-	-	-	-	-			North Sheffield Hall
S.	-	-	-	-	-	-	-	South College
S. H.	-	-	-	-	-	-	-	Sheffield Hall
S. M.	-	-	-	-	-			South Middle College
TR.	-	-	-	-	-	-	-	Treasury Building
W. D. H.	-	-	-	-	-	-	-	West Divinity Hall

Upon the College Square, the rooms numbered from 1 to 32 are in South College; from 33 to 64 in South Middle College; from 65 to 96 in North Middle College; from 97 to 128 in North College; from 129 to 177 in Farnam College; from 178 to 185 in the Lyceum; from 186 to 200 in the Old Chapel; from 201 to 240 in Durfee College.

The rooms in East Divinity Hall are numbered from 1 to 54; in West Divinity Hall from 55 to 124.

The rooms in Sheffield Hall are numbered from 1 to 22; in North Sheffield Hall from 28 to 58.

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---

## PRESIDENT

REV. NOAH PORTER, D.D., LL.D.

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HIS HONOR FRANCIS B. LOOMIS, NEW LONDON  
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## SECRETARY

FRANKLIN B. DEXTER, M.A.

## TREASURER

HENRY C. KINGSLEY, M.A. (5 TR.) 23 Hillhouse av.

## TREASURER'S ASSISTANT

LUCIUS W. FITCH, M.A. (5 TR.) Westville

## CALENDAR

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**1877**

13 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
4 Oct.	Thursday	Winter Term, Department of Medicine, begins.
20 Dec.	Thursday	FIRST TERM ends.

**1878**

**Winter Vacation of three weeks.**

10 Jan.	Thursday	SECOND ACADEMICAL TERM begins.
31 Jan.	Thursday	Winter Term, Department of Medicine, ends.
14 Feb.	Thursday	Spring Term, Dep't. of Medicine, begins.
28 March	Thursday	Winter Term, Department of Law, ends.
11 April	Thursday	Spring Term, Department of Law, begins.
11 April	Thursday	Junior Exhibition.
17 April	Wednesday	SPRING RECESS begins.
24 April	Wednesday	SPRING RECESS ends.
6 May	Monday	Berkeley Scholarship Examination.
14, 15 May	Tuesd., Wedn.	Annual Examination, Dep't of Theology.
16 May	Thursday	Anniversary, Department of Theology.
20 May	Monday	Woolsey Scholarship Examination begins.
20 May	Monday	Winthrop Prize Examination.
23 June	Sunday	Baccalaureate Sermon.
24 June	Monday	Anniversary of the Department of Medicine.
25 June	Tuesday	Anniversary of the Sheffield Scientific School.
25 June	Tuesday	Presentation for Degrees, Acad. Department.
26 June	Wednesday	Anniversary of the Society of Alumni.
26 June	Wednesday	Anniversary of the Department of Law.
27 June	Thursday	COMMENCEMENT.
28, 29 June 1 July	Fri., Sat., Mon.	Examination for admission to the Academic Department.
28, 29 June	Friday, Sat.	Examination for admission to the Sheffield Scientific School.

**Summer Vacation of eleven weeks.**

10, 11 Sept.	Tuesd., Wedn.	Examination for admission.
12 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
26 Sept.	Thursday	Fall Term, Department of Law, begins.
3 Oct.	Thursday	Winter Term, Dep't. of Medicine, begins.
19 Dec.	Thursday	FIRST TERM ends.

## FACULTY AND INSTRUCTORS

---

- Rev. NOAH PORTER, D.D., LL.D.  
PRESIDENT, and *Clark Professor of Moral Philosophy*  
and *Metaphysics* (7 TR.) 31 Hillhouse av.
- 
- Kent Professor of Law*
- Rev. LEONARD BACON, D.D., LL.D.  
*Lecturer on Church Polity and American Church*  
*History* (1 E. D. H.) 247 Church st.
- ELIAS LOOMIS, LL.D.  
*Munson Professor of Natural Philosophy and Astronomy* 141 Church st.
- WILLIAM A. NORTON, M.A.  
*Professor of Civil Engineering* (34 N. S. H.) 72 Prospect st.
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*Professor of the Chinese Language and Literature* 39 College st.
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*Silliman Professor of Geology and*  
*Mineralogy* (6 Peabody Museum) 24 Hillhouse av.
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*Holmes Professor of the Hebrew Language and Literature*  
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*Professor of Sanskrit and Comparative Philology, and*  
*Instructor in Modern Languages* (205 D.) 246 Church st.

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*Professor of Histology and Pathology* 104 York st.
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*Buckingham Professor of Sacred Literature* (72 W. D. H.) 126 College st.
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*Professor of Mathematics* (183 L.) 135 Elm st.
- LUCIAN S. WILCOX, M.D.  
*Professor of the Theory and Practice of Medicine* Hartford
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*Professor of Mineralogy, and Executive Officer of the Sheffield Scientific School* (3 S. H.) 14 Trumbull st.
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*Professor of Theoretical and Agricultural Chemistry* (12 S. H.) 54 Trumbull st.
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*Hillhouse Professor of the Greek Language and Literature* (121 N.) 233 Church st.
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*William Leffingwell Professor of Painting and Design* (9 Art School) 58 Trumbull st.
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*Professor of Mathematics* 29 Eld st.
- CYRUS NORTHROP, LL.B.  
*Professor of Rhetoric and English Literature* (137 F.) 607 Chapel st.
- DANIEL C. EATON, M.A.  
*Professor of Botany* (41 N. S. H.) 70 Sachem st.

- ARTHUR M. WHEELER, B.A.  
*Professor of History* 207 D.
- ADDISON VANNAME, M.A.  
*Librarian* (LIBRARY) 121 High st.
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*Professor of Mathematical Physics* 121 High st.
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Thomas Whitney Darling, B.A. } Middlebury College	<i>Keene, N. H.</i>	170 George st.
Henry Orton Fitch, B.A. } University of Vermont	<i>Keeseville, N. Y.</i>	103 W. D. H.
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Harlan Page Roberts, B.A. } Oberlin College	<i>Oberlin, O.</i>	87 W. D. H.
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Oberlin College }		
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Theodore Booth Willson, B.A. }	<i>Grand Rapids, Mich.</i>	91 W. D. H.
University of Michigan }		
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Western Reserve College }		
George Hiram Bird, B.A. }	<i>Cambridgeport, Mass.</i>	53 E. D. H.
Harvard University }		
William Lee Bond, B.A. }	<i>Kohala, Hawaii</i>	54 E. D. H.
Allen Shaw Bush, B.A. }	<i>New Haven</i>	2 E. D. H.
Hervey Wilfred Chapman, M.A. }	<i>Bethel, Me.</i>	97 W. D. H.
Bowdoin College }		
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College of City of N. Y. }		
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Bowdoin College }		
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McKendree College }		
Joseph Perry Dyas, B.A. }	<i>Sandwich, Ill.</i>	112 W. D. H.
Beloit College }		
James Francis Eaton, B.A. }	<i>Hamden, N. Y.</i>	36 E. D. H.
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Dartmouth College }		
Einion Cranogvab Evans, B.A. }	<i>Potsdam, N. Y.</i>	30 E. D. H.
Middlebury College }		
Charles Edward Garman, B.A. }	<i>North Orange, Mass.</i>	42 E. D. H.
Amherst College }		
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James McMath Hervey }	<i>New Texas, Pa.</i>	17 E. D. H.
Westminster College }		
John Francis Humphreys }	<i>Utica, N. Y.</i>	24 E. D. H.
Oberlin College }		
Timothy Jonathan Lee, B.A. }	<i>Madison</i>	89 W. D. H.
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University of Michigan }		

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Azel Hatch, B.A. } Oberlin College	<i>Oberlin, O.</i>	41 E. D. H.
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John Franklin Horne, B.A. } Beloit College	<i>Genesee, Wisc.</i>	112 W. D. H.
William Beardsley Hubbard, B.A. } Beloit College	<i>Pecatonica, Ill.</i>	124 W. D. H.
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MIDDLE CLASS	30
JUNIOR CLASS	39
TOTAL	107



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William Thompson Sedgwick, PH.B.	<i>Farmington</i>	523 Chapel st.
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Nathan Peabody Tyler, B.A.	<i>Barrytown, N. Y.</i>	198 Crown st.
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William James Wakeman, B.A.	<i>Westport</i>	198 Crown st.
George Lewis Watson	<i>Hartford</i>	70 W. D. H.
Hyman Wechsler	<i>New Haven</i>	101 Court st.

MEDICAL STUDENTS, 56

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## GRADUATE STUDENTS

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Kazuo Miura, LL.B. }		
Columbia College }	<i>Tokio, Japan</i>	200 East Grand st.
Edward Wells Southworth, B.A., }	<i>New Haven</i>	13 York sq.
LL.B. Columbia College }		
William Kneeland Townsend, B.A., LL.B.	<i>New Haven</i>	27 White's B'ld'g.

### CANDIDATE FOR DEGREE OF D.C.L.

John Howard Whiting, M.L.	<i>New Haven</i>	4 York sq.
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GRADUATE STUDENTS, 6

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James Russell Bennett, Jr., } Attorney at Law	<i>St. Cloud, Minn.</i>	189 George st.
William Fraser Booth, B.A. } Emory and Henry College	<i>New Orleans, La.</i>	65 W. D. H.
Charles Andrews Colley	<i>Waterbury</i>	71 York st.
Leonard Daniels	<i>Grafton, Vt.</i>	183 George st.
Charles Sherman Everest, B.A. } Trinity College	<i>New Haven</i>	21 Dwight pl.
Daniel Joseph Griffin	<i>Hartford</i>	292 Grand st.
George Miles Gunn, B.A.	<i>Milford</i>	17 Wooster pl.
Henry Ammon James, B.A.	<i>Baltimore, Md.</i>	120 W. D. H.
Haydn Clark Kelly, B.A. } Rutgers College	<i>New Brunswick, N. J.</i>	76 High st.
John Kendrick	<i>Waterbury</i>	114 Olive st.
Theodore Kepner Long	<i>Mellertown, Pa.</i>	133 College st.
Oliver Ellsworth Lyman, B.A.	<i>New Haven</i>	88 Trumbull st.
Burton Mansfield, Ph.B.	<i>New Haven</i>	50 Lyon st.
Henry Frank Mather, B.A.	<i>New Haven</i>	489 Chapel st.
Robert Brinsmade Middlebrook	<i>Bridgeport</i>	102 Crown st.
Henry Strong Nash	<i>Winchendon, Mass.</i>	63 George st.
David Thomas Roberts	<i>Waterbury</i>	76 Olive st.
Philip Gray Russell, B.A.	<i>New Haven</i>	17 Wooster pl.
John Sammis Seymour, B.A.	<i>Norwalk</i>	96 York st.
Charles Suffern	<i>Haverstraw, N. Y.</i>	76 High st.
John Carlos Talcott, B.A. } Mount Union College	<i>Jefferson, O.</i>	102 Crown st.
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Charles Ullman	<i>New Haven</i>	257 Orange st.
Henry Moses Walradt, B.A.	<i>Chester, Mass.</i>	133 College st.
Edwin Dean Worcester, B.A.	<i>Albany, N. Y.</i>	198 Crown st.
Edmund Zacher, B.A.	<i>Hartford</i>	41 S. M.

SENIORS, 27

## JUNIOR CLASS

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Eugene Voy Baker, B.A.	<i>New Haven</i>	64 High st.
John Kimberly Beach, B.A.	<i>New Haven</i>	124 Temple st.
Alfred Ulmstead Bean	<i>Pawling, Pa.</i>	183 George st.
James Henry Brewster, PH.B.	<i>New Haven</i>	35 High st.
John Wolcott Bristol, B.A.	<i>New Haven</i>	65 Elm st.
George Murray Brooks	<i>Portland, Me.</i>	75 York st.
John William Coogan, B.A. } St. John's College	<i>Windsor Locks</i>	155 St. John st.
Wallace Bruce Fenn, Jr., PH.B.	<i>New Haven</i>	191 Church st.
Lloyd William Harmon	<i>New York City</i>	373 Orchard st.
William Henry Harris	<i>New Haven</i>	25 Davenport av.
Albert Foster Jones	<i>Chico, Cal.</i>	117 Elm st.
Ardon Legrand Judd, B.A.	<i>Stratford</i>	Stratford
William Kennedy	<i>Naugatuck</i>	155 St. John st.
Arthur Reade Kimball, B.A.	<i>West Haven</i>	182 L.
George DeForest Marshall	<i>Cheshire</i>	120 Whalley av.
Horace Isaac Moyer	<i>Pottsville, Pa.</i>	183 George st.
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Charles Edward Woodruff	<i>Hartford</i>	Hartford

JUNIORS, 24

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Nagatani Soma, LL.B. } Columbia College	<i>Japan</i>	201 Orange st.
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SPECIAL STUDENTS, 2

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Dartmouth College		
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Middlebury College		

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## SENIOR CLASS

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George Clarence Ackerman	<i>New Haven</i>	166 F.
Henry Alexander Barling	<i>Englewood, N. Y.</i>	217 D.
Harlan Page Beach	<i>South Orange, N. Y.</i>	181 L.
Frank Armstrong Beckwith	<i>Waterbury</i>	173 F.
Fred Jason Beckwith	<i>New London</i>	16 S.
William Passmore Belden	<i>New Haven</i>	22 S.
Edwin Austin Benton	<i>Cambridge, Mass.</i>	26 S.
Douglas Putnam Birnie	<i>Springfield, Mass.</i>	218 D.
Edward Wilkinson Blodgett	<i>Pawtucket, R. I.</i>	16 S.
Isadore Nathan Bloom	<i>Louisville, Ky.</i>	203 D.
Herbert Wolcott Bowen	<i>Brooklyn, N. Y.</i>	129 F.
Charles Edwin Briggs	<i>Rockford, Ill.</i>	203 D.
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Alexander Jay Bruen	<i>New York City</i>	139 F.
George William Burton	<i>Manchester, Vt.</i>	165 F.
Treat Campbell	<i>Springfield, Ill.</i>	238 D.
Charles Francis Carter	<i>Chicopee Falls, Mass.</i>	165 F.
Arthur Dickenson Chandler	<i>Woodstock</i>	146 F.
Paul Charlton	<i>Harrisburg, Pa.</i>	237 D.
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Hollis William Cobb	<i>Shrewsbury, Mass.</i>	69 N. M.
Harry Clark Coe	<i>New Haven</i>	163 F.
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George Louis Curtis	<i>Canandaigua, N. Y.</i>	168 F.
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Archibald Alexander Dershimer	<i>Falls, Pa.</i>	8 S.
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George Edwards Gilbert	<i>New Haven</i>	86 York st.
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William Brown Glover	<i>Fairfield</i>	231 D.

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Edward Platt Hickox	Washington	151 F.
Joseph Wood Hill	Westport	1 TR.
Wallace Worth Hite	Lancaster, O.	214 D.
Howard Clark Hollister	Cincinnati, O.	239 D.
Louis Hood	Newark, N. J.	30 s.
Henry Martyn Hoyt	Wilkes Barre, Pa.	232 D.
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Tudor Storrs Jenks	Brooklyn, N. Y.	235 D.
John Gould Jennings	Cleveland, O.	206 D.
Carlton Rogers Jewett	Moravia, N. Y.	6 s.
Ernest Clifton Johnson	Walton, N. Y.	8 s.
John Quincy Adams Johnson	Newburyport, Mass.	149 F.
Phillip Keller	Ashland, Pa.	90 N. M.
Edward Browning Kellogg	Colchester	1 s.
Clarence Hill Kelsey	Bridgeport	168 F.
George Tapscott Knott	Springfield, Mo.	163 F.
Henry Winslow Lamb	New Haven	1 s.
James McCormick Lamberton	Harrisburg, Pa.	237 D.
Frederick Benjamin Lathrop	Tolland	26 s.
William Henry Law	New Haven	227 D.
Harry Bruce McCarroll	Morristown, N. J.	7 s.
John Prouty McCune	Columbus, O.	11 s.
Frank Virgil McDonald	San Francisco, Cal.	98 N.
John Irving McDonald	St. Joseph, Mo.	106 N.
James Briggs McEwan	Albany, N. Y.	14 s.
Walter Lee Merwin	Durham	97 N.
Philip Washburn Moen	Worcester, Mass.	206 D.
Royal Corban Moodie	East Craftsbury, Vt.	103 N.
Samuel Merrill Moores	Indianapolis, Ind.	22 s.
Edward Lind Morse	Poughkeepsie, N. Y.	213 D.
Thomas Ephraim Mower	Litchfield	231 D.
George Smith Palmer	Montville	146 F.
Charles Parsons	New York City	212 D.
John Northrup Peet	Brooklyn, N. Y.	202 D.
James Protus Pigott	New Haven	90 N. M.
George Edward Pollock	Pittsfield, Mass.	238 D.
John Addison Porter	New Haven	232 D.
Frederick Potter	New York City	224 D.
Warren Aaron Ransom	New York City	29 s.
Edward Enoch Reed	Columbia, S. C.	20 s.
Alfred Lawrence Ripley	Andover, Mass.	213 D.
William Ruggles Sanborn	New Haven	17 Court st.
Lawrence Henry Schwab	Fordham, N. Y.	214 D.
William Benton Scranton	New Haven	114 High st.
Edward Howard Seely	Brooklyn, N. Y.	210 D.
Charles Herbert Shaw	New York City	216 D.

Charles Sidney Shepard	<i>Buffalo, N. Y.</i>	210 D.
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Walter Gaston Shotwell	<i>Cadiz, O.</i>	144 George st.
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Clinton Spencer	<i>Suffield</i>	151 F.
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Charles Martin Stone	<i>Binghamton, N. Y.</i>	10 S.
Edgar Heathcote Stone	<i>Sioux City, Iowa</i>	12 S.
Theodore Chester Strong	<i>Pittston, Pa.</i>	152 F.
William Howard Taft	<i>Cincinnati, O.</i>	13 S.
Inajiro Taneka Tajiri	<i>Kagoshima, Japan</i>	6 Trumbull st.
Arthur Bailey Taylor	<i>Springfield, Mass.</i>	202 D.
William Henry Taylor	<i>Chicago, Ill.</i>	173 F.
William Howard Taylor	<i>Brookline, Mass.</i>	201 D.
Joseph Irving Tayntor	<i>Marlboro', Mass.</i>	69 N. M.
Edmund Roderick Terry	<i>Brooklyn, N. Y.</i>	31 S.
Joseph Almon Ticknor	<i>New Marlboro', Mass.</i>	157 F.
George Trowbridge	<i>New York City</i>	2 S.
John Trumbull	<i>Valparaiso, Chili</i>	164 F.
James Riedell Tucker	<i>Durham</i>	25 S.
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Harold Sheffield Van Buren	<i>Englewood, N. Y.</i>	212 D.
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William Everett Waters	<i>Cincinnati, O.</i>	104 N.
Benjamin Rush Wendell	<i>Cazenovia, N. Y.</i>	220 D.
Frank Baldwin Wesson	<i>New York City</i>	239 D.
Edward Baldwin Whitney	<i>New Haven</i>	12 S.
George Patten Whittlesey	<i>Washington, D. C.</i>	129 F.
Marion Wilcox	<i>New Haven</i>	6 S.
Reynold Webb Wilcox	<i>Madison</i>	108 N.
Charles Putnam Woodbury	<i>Norwalk</i>	172 F.
Clarence Samuel Woodruff	<i>Wilkes Barre, Pa.</i>	15 S.
Thomas Cook Wordin	<i>Bridgeport</i>	172 F.
Rudolf Wurts	<i>New Haven</i>	204 D.
William Lawrence Ross Wurts	<i>Paterson, N. Y.</i>	204 D.

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Charles Francis Aldrich	<i>Worcester, Mass.</i>	159 F.
Otis Elihu Atwater	<i>Brattleboro, Vt.</i>	113 N.
Hugh Dudley Auchincloss	<i>New York City</i>	147 F.
William Ward Bailey	<i>New Haven</i>	150 F.
Ralph Barker	<i>New York City</i>	159 F.
Thomas Rossiter Barnum	<i>New Haven</i>	144 Humphrey st.
Augustus Wood Bell	<i>Morristown, N. J.</i>	25 College st.
Poultney Bigelow	<i>Highland Falls, N. Y.</i>	117 W. D. H.
Edward Tyler Blair	<i>Chicago, Ill.</i>	223 D.
Louis Norman Booth	<i>Bridgeport</i>	82 Wall st.
Edward Augustus Bowers	<i>New Haven</i>	132 F.
Lloyd Wheaton Bowers	<i>Elizabeth, N. J.</i>	132 F.
Lorenzo Cary Brooks	<i>Chicago, Ill.</i>	162 F.
William Livingston Bruen	<i>New York City</i>	139 F.
Harry Austin Buffum	<i>Great Falls, N. H.</i>	156 F.
Jonathan Bulkley	<i>Brooklyn, N. Y.</i>	225 D.
Lucien Francis Burpee	<i>Rockville</i>	92 N. M.
Henry Allen Bushnell	<i>Old Saybrook</i>	76 N. M.
Donald Yorke Campbell	<i>Oakland, Cal.</i>	222 D.
Augustus Stiles Carrier	<i>Erie, Pa.</i>	88 N. M.
Ernest Carter	<i>Chicago, Ill.</i>	215 D.
Elie Stacey Charlier	<i>New York City</i>	82 Wall st.
Chun Lung	<i>Hien Shang, China</i>	154 F.
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Oliver Turnbull Crane	<i>Morristown, N. J.</i>	134 F.
Henry Cooper Crouch	<i>Kingston, N. Y.</i>	131 F.
John Guy Crump	<i>New London</i>	234 D.
John William Curtiss	<i>Watertown</i>	145 F.
Julian Wheeler Curtiss	<i>Fairfield</i>	145 F.
David Daggett	<i>New Haven</i>	60 Wall st.
Louis Shepard DeForest	<i>New Haven</i>	19 Compton st.
Henry Herbert Donaldson	<i>New York City</i>	229 D.
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Newell Avery Eddy	<i>Bangor, Me.</i>	211 D.
Gerard Morris Edwards	<i>New York City</i>	73 N. M.
Frank Clifton Fairchild	<i>Newark, N. J.</i>	219 D.
John Villiers Farwell	<i>Chicago, Ill.</i>	223 D.
David Fleischman	<i>Albany, N. Y.</i>	167 F.
Samuel Peters Fosdick	<i>Stamford</i>	144 F.
George Forris Foster	<i>Grand Rapids, Mich.</i>	225 D.
Samuel Monell Foster	<i>Newburgh, N. Y.</i>	174 F.
Edward Stacy Fowler	<i>Millbury, Mass.</i>	75 N. M.
John Milton Fox	<i>Salem</i>	158 F.
John Lester Franklin	<i>New Haven</i>	118 N.
Roscoe Rush Giltner	<i>Portland, Oregon</i>	114 N.
Henry Sherwood Green	<i>New Milford</i>	4 S.

Robert Ryers Griswold	<i>Binghamton, N. Y.</i>	143 F.
Otis Clay Hadley	<i>Danville, Ind.</i>	226 D.
Amos Lawrence Hatheway	<i>Willimantic</i>	143 F.
William Whitney Hawkes	<i>New Haven</i>	24 S.
Howard Wortley Hayes	<i>Newark, N. J.</i>	24 S.
Edwin Cooper Haynie	<i>Springfield, Ill.</i>	222 D.
John Jacob Hill	<i>Pittsburgh, Pa.</i>	133 F.
James William Hillhouse	<i>Montville</i>	65 W. D. H.
Henry Hitchcock	<i>St. Louis, Mo.</i>	215 D.
Louis Howland	<i>Indianapolis, Ind.</i>	177 F.
Frank Eldridge Hyde	<i>Hartford</i>	226 D.
Lewis Huntington Hyde	<i>Norwich</i>	219 D.
Walter Belknap James	<i>Baltimore, Md.</i>	221 D.
Frank Jones	<i>Kansas City, Mo.</i>	127 Ward st.
Herbert Samuel Jones	<i>South Sudbury, Mass.</i>	3 S.
Elisha Brooks Joyce	<i>New York City</i>	135 F.
Bruce Smith Keator	<i>Roxbury, N. Y.</i>	4 S.
John William Keller	<i>Paris, Ky.</i>	32 S.
George Morrill Kimball	<i>Concord, N. H.</i>	142 F.
Samuel Ayr Kimball	<i>Bath, Me.</i>	208 D.
George Washington Kirchwey	<i>Albany, N. Y.</i>	141 F.
Gilbert Dimock Lamb	<i>Franklin</i>	113 N.
Charles Henry Leete	<i>Potsdam, N. Y.</i>	140 F.
George Lester Lewis	<i>Buffalo, N. Y.</i>	140 F.
George Sigmund Linde	<i>New Haven</i>	135 Congress av.
Charles Herbert Livermore	<i>North Haven</i>	119 N.
Edmund Pendleton Livingston	<i>New York City</i>	144 F.
Herman Livingston	<i>New York City</i>	432 Chapel st.
Harry Lyne	<i>Augusta, Ill.</i>	131 F.
George Lodowick McAlpine	<i>New York City</i>	432 Chapel st.
Hugh Copeland McCord	<i>Brooklyn, N. Y.</i>	208 D.
Malcolm McIvor McKenzie	<i>New Haven</i>	244 Orchard st.
Henry Hubbell McNair	<i>Lima, N. Y.</i>	71 York st.
Henry Maltzberger	<i>Reading, Pa.</i>	32 S.
Frank Wanzer Marsh	<i>New Milford</i>	75 N. M.
Thomas Brunton Marston	<i>Chicago, Ill.</i>	135 F.
Charles Baynard Martin	<i>Milwaukee, Wisc.</i>	157 George st.
Ivan Matthias Marty	<i>Kansas City, Mo.</i>	176 F.
Charles Loveland Merriam	<i>West Meriden</i>	17 S.
William Carter Merritt	<i>Oakland, Cal.</i>	176 F.
James Stetson Metcalfe	<i>Buffalo, N. Y.</i>	234 D.
Charles Miller	<i>Williston, Vt.</i>	124 N.
George Douglas Munson	<i>Wallingford</i>	119 N.
Robert Hallam Munson	<i>Williamsport, Pa.</i>	74 N. M.
John James Nairn	<i>Washington, D. C.</i>	138 F.
Howard Dunlap Newton	<i>Norwich, N. Y.</i>	142 F.
Edgar Barlow Nichols	<i>Easton</i>	71 N. M.
Edward McArthur Noyes	<i>Woodbury</i>	72 N. M.
William Newton Parker	<i>New Haven</i>	229 D.

Charles Booth Peck	Bridgeport	3 S.
Isaac Peck	Flushing, N. Y.	177 F.
Charles Rollin Pence	Peru, Ind.	67 W. D. H.
William Warner Penfield	New York City	Tontine Hotel
John Orlando Perrin	La Fayette, Ind.	228 D.
Lewis Alfred Platt	Waterbury	123 N.
Adrian Suydam Polhemus	Astoria, N. Y.	161 F.
Thomas Edward Rochfort	New Haven	74 N. M.
Robert Simpson Rodman	Rock Island, Ill.	161 F.
Henry Lincoln Rowland	Southport	88 N. M.
Henry Chauncey Savage	Philadelphia, Pa.	464 Chapel st.
William Graydon Seeley	Brooklyn, N. Y.	228 D.
Severyn Bruyn Sharpe	Kingston, N. Y.	233 D.
Albert William Shaw	Buffalo, N. Y.	87 N. M.
John Woodruff Shepard	Hartford	71 N. M.
Frederic Thomas Simpson	Bath, Me.	72 N. M.
Frederick Sumner Smith	New Haven	78 Trumbull st.
George Waldo Flint Smith	Potsdam, N. Y.	158 F.
William Henry Smith	Wilmington, Del.	156 F.
Alpheus Henry Snow	Hartford	111 W. D. H.
John George Christopher Sonn	Newark, N. J.	118 N.
Edward Southworth	West Springfield, Mass.	23 S.
Louis Lee Stanton	New York City	230 D.
Thomas Wells Stiles	New Haven	221 D.
Frederic Abbot Stokes	Detroit, Mich.	28 S.
Willis Edson Story	Milwaukee, Wisc.	209 D.
Delevan Sumner Sweet	Phenix, N. Y.	91 N. M.
Louis Judson Swinburne	Albany, N. Y.	46 Prospect st.
Louis DuPont Syle	Yedo, Japan	160 F.
Henry James Ten Eyck	Albany, N. Y.	230 D.
Arthur Hutchinson Terry	Southold, N. Y.	123 N.
John Taylor Terry	Irvington, N. Y.	155 F.
Oliver David Thompson	Butler, Pa.	211 D.
Ambrose Tighe	Brooklyn, N. Y.	28 S.
James Duncan Torreyson	Carson City, Nev.	147 F.
Winston John Trowbridge	New Haven	221 Church st.
Otis Harvey Waldo	Milwaukee, Wisc.	209 D.
George Dutton Watrous	New Haven	63 Whitney av.
Benjamin Webster	New York City	60 W. D. H.
John Theodore Wentworth	Racine, Wisc.	91 N. M.
Holland Stratford Whiting	New York City	25 College st.
Harry Kellogg Willard	Washington, D. C.	174 F.
Samuel Porter Willard	Colchester	124 N.
Frederick Wells Williams	New Haven	39 College st.
John Eastman Wilson	Rockville	162 F.
Mardon Dewees Wilson	Philadelphia, Pa.	148 George st.
Mountford Samuel Wilson	San Francisco, Cal.	154 F.
Stephen C. Wood	New York City	92 N. M.
Timothy Lester Woodruff	Brooklyn, N. Y.	138 F.
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## SOPHOMORE CLASS

Henry Wilbur Aiken	Millbury, Mass.	188 c.
William Lafayette Allen	Brooklyn, N. Y.	63 s. m.
John Arnold Amundson	Rochester, Minn.	35 Hillhouse av.
Willmore Anway	Florida, N. Y.	186 c.
William Cooper Asay	Chicago, Ill.	464 Chapel st.
Cecil Kent Austin	Philadelphia, Pa.	90 York st.
Frank Hamilton Ayer	Nashua, N. H.	37 s. m.
William Ransom Barbour	New Haven	193 Church st.
Charles Platt Barker	Brooklyn, N. Y.	65 n. m.
William DeLuce Barnes	Brooklyn, N. Y.	113 College st.
John Dowd Bassett	New Haven	33 s. m.
George Benedict	Bethel	113 College st.
Willis Benner	Astoria, N. Y.	43 s. m.
Edward Manross Bentley	Ellenville, N. Y.	186 c.
Conrad Berens	Philadelphia, Pa.	90 High st.
William Darius Bishop	Bridgeport	47 s. m.
Charles Franklin Bliss	New Haven	665 Chapel st.
William Bishop Boomer	Chicago, Ill.	27 Prospect st.
Frank Wilson Booth	Bennington, Vt.	136 College st.
Frederick Brooks	New York City	45 s. m.
George Artemas Brown	Barre, Mass.	64 s. m.
Walter Hull Buell	Madison	99 n.
Henry Bunn	Springfield, Ill.	48 College st.
John Edward Bushnell	Old Saybrook	99 n.
George Whitfield Butts	Providence, R. I.	90 High st.
Walter Chauncey Camp	New Haven	595 Chapel st.
Frank Parker Chamberlain	New York City	46 s. m.
Walter Henry Chapin	Agawam, Mass.	194 c.
Irving Hall Chase	Waterbury	59 s. m.
George Henry Clark	Hartford	71 w. d. h.
Frank Beach Curtis	Birmingham	65 n. m.
William Gibbons Daggett	New Haven	60 Wall st.
Elias Wyman Davis	Worcester, Mass.	187 c.
Arthur Cushing Dill	New Haven	66 Howe st.
John Marshall Douglas	Chicago, Ill.	489 Chapel st.
Andrew Penrose Lusk Dull	Harrisburg, Pa.	55 s. m.
Wilton Nathaniel Eddy	Jamestown, N. Y.	54 s. m.
Harris Pleydell Edmonson	Little Rock, Ark.	66 n. m.
Asa John Farwell	Hartford	192 c.
Peter Flint	Port Henry, N. Y.	553 State st.
Frank Goodrich	Auburn, N. Y.	187 c.
Nathaniel Gordon	Exeter, N. H.	161 Temple st.
Henry Lee Gower	New Haven	309 Orange st.
Edmund Frank Green	Oakland, Cal.	6 Library st.
William Milne Grinnell	New York City	35 College st.

Charles Willard Haines	<i>Colchester</i>	82 N. M.
Edwin Cæsar Malan Hall	<i>Fair Haven</i>	Fair Haven
William Montague Hall	<i>Ashfield, Mass.</i>	15 Home pl.
Robert William Hardie	<i>Albany, N. Y.</i>	25 Prospect st.
John Slosson Harding	<i>Wilkes Barre, Pa.</i>	48 S. M.
William Hudson Harper	<i>Washington, D. C.</i>	57 S. M.
William Thorn Haviland	<i>Bridgeport</i>	47 S. M.
Gerard Charles Hegeman	<i>Brooklyn, N. Y.</i>	109 Elm st.
John Philip Helfenstein	<i>Philadelphia, Pa.</i>	60 S. M.
Alfred Edwards Hooker	<i>New Haven</i>	60 S. M.
Frank Whetstone Hopkins	<i>Cincinnati, O.</i>	6 Library st.
John Tomlinson Hubbard	<i>Litchfield</i>	193 C.
William Colburn Husted	<i>Brooklyn, N. Y.</i>	81 York st.
William Forrest Hutchison	<i>Norwich</i>	38 S. M.
William Reynolds Innis	<i>Poughkeepsie, N. Y.</i>	46 S. M.
Walter Jennings	<i>Fairfield</i>	45 S. M.
Frederic William Keator	<i>Moline, Ill.</i>	130 F.
Dana William Kellogg	<i>Hartford</i>	38 S. M.
William Swift Keyser	<i>Milton, Fla.</i>	489 Chapel st.
Preston King	<i>Minneapolis, Minn.</i>	6 Library st.
Edward Weston Knevals	<i>Fordham, N. Y.</i>	59 S. M.
Oscar Alexander Knight	<i>Camden, Me.</i>	37 S. M.
Samuel Waldron Lambert	<i>New York City</i>	44 S. M.
David Charles Lines	<i>New Haven</i>	201 Crown st.
Wilson Cary McHenry	<i>Baltimore, Md.</i>	175 F.
Robert DeLosse Martin	<i>Tiffin, O.</i>	64 High st.
Remsen Varick Messler	<i>Pittsburgh, Pa.</i>	489 Chapel st.
Simon Charles Metzger	<i>New Haven</i>	17 Grove st.
Frederick Stillman Morrison	<i>Holyoke, Mass.</i>	81 N. M.
Thomas Robert Morrow	<i>Hartford</i>	67 N. M.
William D. Murray	<i>Plainfield, N. J.</i>	42 S. M.
Charlie Lewis Nelson	<i>Columbus, O.</i>	42 S. M.
James Edward Newcomb	<i>New London</i>	63 S. M.
Alfred Bull Nichols	<i>Lyme</i>	130 F.
Edward Parish Noyes	<i>Wilmington, Mass.</i>	190 C.
Henry Choate Ordway	<i>Hampstead, N. H.</i>	64 S. M.
Norris Galpin Osborn	<i>New Haven</i>	68 N. M.
John Marshall Otis	<i>Newtown</i>	117 Elm st.
Wilbur Parker	<i>Cleveland, O.</i>	39 S. M.
Sidney Catlin Partridge	<i>Brooklyn, N. Y.</i>	27 Prospect st.
LeRoy Bliss Peckham	<i>Lebanon</i>	191 C.
William Allison Peters	<i>Wilkes Barre, Pa.</i>	48 S. M.
Smith Franklin Phillips	<i>East Chatham, N. Y.</i>	81 N. M.
John Bliss Porter	<i>Coventry</i>	57 S. M.
William Russell Purple	<i>Springfield, Mass.</i>	50 S. M.
Charles Newton Ransom	<i>Colchester</i>	82 N. M.
Dickinson Woodruff Richards	<i>Litchfield</i>	193 C.
Charles Henry Richardson	<i>Groton, Mass.</i>	116 N.

Alphonso Paine Sawyer	Millbury, Mass.	188 C.
Doremus Scudder	Brooklyn, N. Y.	61 S. M.
Jay Webber Seaver	Craftsbury, Vt.	50 S. M.
Robert William Selden	Brandon, Vt.	56 S. M.
Samuel Swanton Sewall	Bath, Me.	71 W. D. H.
John Foster Shepley	St. Louis, Mo.	55 S. M.
Charles Langdon Sherman	Castleton, Vt.	162 York st.
William Hazard Sherman	Providence, R. I.	56 S. M.
Frederick Platt Skinner	Owego, N. Y.	690 State st.
Frederic Morse Smith	Hartford	100 N.
Grant Alexander Smith	Milwaukee, Wisc.	54 S. M.
Edward Curran Spencer	St. Paul, Minn.	39 S. M.
Frank Otho Spencer	Cleveland, O.	40 S. M.
Presley Spruance	Wilmington, Del.	76 High st.
Max Stern	Hartford	67 N. M.
Harry Waters Taft	Cincinnati, O.	35 College st.
John Butler Coles Tappan	Glen Cove, N. Y.	133 College st.
Frederick Charles Train	Pomeroy, O.	133 College st.
Henry Trowbridge	New Haven	121 Meadow st.
Stephen Trumbull	Valparaiso, Chili	164 F.
Eugene Winston Walker	Richmond, Ky.	189 C.
Wirt Dexter Walker	Chicago, Ill.	489 Chapel st.
Arthur Eugene Walradt	Chester, Mass.	133 College st.
Edwin Carrington Ward	Farmington	192 C.
James Herbert Watson	Brooklyn, N. Y.	61 S. M.
David Collin Wells	Fayetteville, N. Y.	64 High st.
Ten Eyck Wendell	Cazenovia, N. Y.	220 D.
Frank Henry Wheeler	Fair Haven	44 S. M.
Wilson Curtiss Wheeler	New Haven	105 Dwight st.
George Dana White	New York City	116 N.
William Wallace Whiting	Ansonia	53 S. M.
Heman Charles Whittlesey	Newington	100 N.
Charles Albert Wight	North Hatfield, Mass.	33 S. M.
Lawrence Wilkinson	Greenwich	53 S. M.
Walter Crafts Witherbee	New York City	62 S. M.
John Francis Woodhull	Groton	50 S. M.
Frank Alexander Wright	Goshen, N. Y.	72 High st.
Charles Pemberton Wurts	New Haven	65 Whitney av.

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## FRESHMAN CLASS

Frederic Adler	<i>Milwaukee, Wisc.</i>	126 York st.
Edwin Edgerton Aiken	<i>Rutland, Vt.</i>	125 N.
Willard Shurtleff Augsburg	<i>Antwerp, N. Y.</i>	41 High st.
René Bache	<i>Philadelphia, Pa.</i>	156 York st.
Benjamin Wisner Bacon	<i>New Haven</i>	196 Crown st.
Charles Warner Balch	<i>Harwinton</i>	7 Bradley pl.
John Hampton Barnes	<i>Pittsburgh, Pa.</i>	77 York st.
Danford Newton Barney	<i>Farmington</i>	127 Crown st.
Philip Golden Bartlett	<i>Washington, D. C.</i>	597 Chapel st.
Albert Butler Beadle	<i>Philadelphia, Pa.</i>	111 N.
Russell Anson Bigelow	<i>West Brattleboro', Vt.</i>	154 Martin st.
Harvey Leo Birchard	<i>Milwaukee, Wisc.</i>	84 Wall st.
Arthur Elmore Bostwick	<i>Litchfield</i>	109 N.
John Eliot Bowen	<i>Brooklyn, N. Y.</i>	80 N. M.
Edward Paul Brandt	<i>Farmington</i>	8 Lock st.
William Joseph Brewster	<i>New Haven</i>	86 Wall st.
Walter Ray Bridgman	<i>Syracuse, N. Y.</i>	104 York st.
Otis Hayford Briggs	<i>Auburn, Me.</i>	127 N.
Joseph Davis Brodhead	<i>Bethlehem, Pa.</i>	74 High st.
Isaac Bromley	<i>New Haven</i>	218 Orange st.
Herbert Stanley Brown	<i>South Norwalk</i>	96 York st.
Joseph Dunn Burrell	<i>Freeport, Ill.</i>	79 N. M.
Robert Camp	<i>Milwaukee, Wisc.</i>	525 Chapel st.
Daniel Arthur Carpenter	<i>Afton, N. Y.</i>	109 N.
William Churchill	<i>Mont Clair, N. J.</i>	110 N.
Harry Quinton Cleneay	<i>Cincinnati, O.</i>	519 Chapel st.
John Caldwell Coleman	<i>New York City</i>	152 York st.
John Burnett Collins	<i>St. Joseph, Mo.</i>	120 High st.
Howard Junior Curtiss	<i>Stratford</i>	109 N.
Frederick Orren Darling	<i>New York City</i>	112 N.
Julius Barnes Day	<i>Bridgeport</i>	125 N.
William Wheeler deForest	<i>New York City</i>	9 Library st.
Joseph Benjamin Dimmick	<i>Honesdale, Pa.</i>	84 Wall st.
Ephraim Williams Dixon	<i>Brooklyn, N. Y.</i>	36 College st.
John Mowe Drysdale	<i>West Meriden</i>	17 S.
Henry Strong Durand	<i>Rochester, N. Y.</i>	15 Home pl.
John Stewart Durand	<i>Rochester, N. Y.</i>	15 Home pl.
Charles Abbott Schneider Dwight	<i>Englewood, N. J.</i>	152 York st.
Waldo Chapin Eames	<i>Providence, R. I.</i>	152 York st.
James Richard Ely	<i>New York City</i>	143 York st.
Cyrus Emery	<i>New Haven</i>	35 Howe st.
William Phelps Eno	<i>New York City</i>	25 College st.
Edward Thomas Evans	<i>Pittsburgh, Pa.</i>	120 High st.
Sherman Evarts	<i>New York City</i>	44 High st.
Harry Rupert Ewing	<i>Pittsburgh, Pa.</i>	6 College st.

Frank Miller Fargo	Chicago, Ill.	221 Elm st.
Paul James Fenn	New Haven	191 Church st.
George Park Fisher	New Haven	27 Hillhouse av.
Nathaniel Campbell Fisher	New York City	201 Orange st.
Grant Fitch	Milwaukee, Wisc.	525 Chapel st.
Robert Wasson Forbes	Brooklyn, N. Y.	169 Temple st.
Sereno Ford	Milford	25 Park st.
William Fosdick	Stamford	464 Chapel st.
Charles Joseph French	Evanston, Ill.	464 Chapel st.
Abraham Lincoln Frisch	Milwaukee, Wisc.	163 Temple st.
Philo Carroll Fuller	Grand Rapids, Mich.	489 Chapel st.
Frank Runyon Gallaher	New Haven	529 Chapel st.
Henry Parsons Garland	Biddeford, Me.	64 High st.
Ford Morris Garvin	Evansville, Ind.	109 Elm st.
Andrew Stoughton Gaylord	Terryville	24 Howe st.
Charles Tiffany Gilbert	Birmingham	106 York st.
Edward Hooker Gilbert	Ware, Mass.	27 College st.
Edward Graves	New Haven	87 Wall st.
Freeman Clark Griswold	Greenfield, Mass.	93 N. M.
Nathaniel Taylor Guernsey	Dubuque, Iowa	110 N.
Webster Hakes	Norwich	13 Trumbull st.
William Samuel Hale	Keene, N. H.	162 York st.
John Dixon Hall	Norwich	72 High st.
Reuben Post Hallock	Rocky Point, N. Y.	17 Wooster pl.
William Lammon Harkness	Bellevue, O.	133 York st.
Ernest Eldred Hart	Council Bluffs, Iowa	126 York st.
Louis Bevier Hasbrouck	Rondout, N. Y.	77 York st.
Charles Burnell Hawkes	New Haven	65 Martin st.
Louis Condit Hay	New York City	111 N.
Charles Arthur Heald	Orange, N. Y.	162 York st.
Frederic Duncan Helmer	Pike, N. Y.	133 College st.
Aubrey DeVere Hiles	Milwaukee, Wisc.	77 York st.
Cyrus Foss Hill	New Haven	35 Elliott st.
Robert Clark Hine	Stamford	133 College st.
Roderick Whittelsey Hine	Lebanon	112 N.
Henry Hitchings	Gravesend, N. Y.	80 N. M.
Charles Wittenberg Holzheimer	Elmira, N. Y.	160 St. John st.
Samuel Cornell Hopkins	Catskill, N. Y.	76 High st.
George Henry Hubbard	Woodmont	171 Wooster st.
Walter Taft Hutchins	New York City	25 College st.
George Edward Ide	Brooklyn, N. Y.	153 Crown st.
James Warren Ingalls	Putnam	190 C.
George Snow Isham	Chicago, Ill.	494 Chapel st.
Henry Ives	New Haven	274 Orange st.
Albert Emerson Joab	Terre Haute, Ind.	77 York st.
Henry Pierson Johnes	Newburgh, N. Y.	9 Library st.
Edward Fairfield Jones	Willton	
George Marsh Judd	Newtown	117 Elm st.
Benjamin Bissell Lamb	Chicago, Ill.	464 Chapel st.

James Leighton	<i>Humphreyville, Pa.</i>	77 Meadow st.
Solon Carl Frederick Leonhæuser	<i>Pittsburgh, Pa.</i>	6 College st.
Samuel Waring Lewis	<i>Brooklyn, N. Y.</i>	75 York st.
Allen Bennett Lincoln	<i>Willimantic</i>	128 N.
Frank Newton Loomis	<i>Granby</i>	68 Greenwood st.
William Maltby Lovering	<i>Taunton, Mass.</i>	152 York st.
Frank Benjamin Lucas	<i>Poquetannock</i>	177 Chapel st.
Calvin Stewart McChesney	<i>Pittstown, N. Y.</i>	79 N. M.
Richard Hays McDonald	<i>San Francisco, Cal.</i>	
John Ryan McKee	<i>Pittsburgh, Pa.</i>	109 York st.
Daniel Walton McMillan	<i>Mount Pleasant, Pa.</i>	145 York st.
Frederick Arnold Manning	<i>Brooklyn, N. Y.</i>	153 Crown st.
John Wesley Manning	<i>Fair Haven</i>	20 S.
John Francis Merrill	<i>Rutland, Vt.</i>	41 High st.
Frank Chapin Moody	<i>Brooklyn, N. Y.</i>	75 York st.
Albert Henry Moulton	<i>Kittery, Me.</i>	64 High st.
Ben Wilton Murch	<i>Carmel, Me.</i>	103 W. D. H.
Thaddeus Halsted Myers	<i>Yonkers, N. Y.</i>	93 N. M.
William Wilson Kirchhofer Nixon	<i>Chicago, Ill.</i>	494 Chapel st.
Charles Henry Northrop	<i>Newtown</i>	133 College st.
James Edward O'Donnell	<i>Pittsburgh, Pa.</i>	6 College st.
Thomas Burr Osborne	<i>New Haven</i>	156 Crown st.
William Rufus Page	<i>Olean, N. Y.</i>	127 N.
Sheldon Pharis Patterson	<i>Chicago, Ill.</i>	221 Elm st.
Richard Augustus Peabody	<i>New York City</i>	35 College st.
William Emerson Peck	<i>New Britain</i>	597 Chapel st.
Frederick Pickersgill	<i>Pittsburgh, Pa.</i>	71 York st.
Wilson Howard Pierce	<i>Brookfield Center</i>	665 Chapel st.
Leonard Hayes Poole	<i>Baltimore, Md.</i>	44 High st.
Charles Justus Powers	<i>Davenport, Iowa</i>	72 High st.
George Barclay Preston	<i>Pittsburgh, Pa.</i>	77 York st.
Charles Edwin Rand	<i>Chicago, Ill.</i>	464 Chapel st.
Francis Esty Rice	<i>Framingham, Mass.</i>	532 Chapel st.
Harris Richardson	<i>Janesville, Wisc.</i>	89 Elm st.
Lawrence Rolfe	<i>Auburn, Me.</i>	126 N.
Robert Mayo Rolfe	<i>Auburn, Me.</i>	126 N.
Charles Burton Schram	<i>Milwaukee, Wisc.</i>	163 Temple st.
Frederic William Sears	<i>Brooklyn, N. Y.</i>	147 York st.
Frederick Seymour	<i>Whitney's Point, N. Y.</i>	96 York st.
James Sheldon	<i>New Haven</i>	47 Hillhouse av.
George Bliss Silliman	<i>East Haddam</i>	494 Chapel st.
Edward Lewis Simonds	<i>New Orleans, La.</i>	109 York st.
John Clark Smith	<i>New Haven</i>	374 George st.
William Francis Smith	<i>Colebrook</i>	141 Bradley st.
Henry Hezekiah Sprague	<i>Newark, O.</i>	464 Chapel st.
William Stanley	<i>Englewood, N. Y.</i>	95 N. M.
Henry Stuart Stearns	<i>Hartford</i>	74 High st.
Fred. Haile Stebbins	<i>Springfield, Mass.</i>	126 High st.
Arthur Griffin Stedman	<i>New York City</i>	145 York st.

Willis Betts Sterling	<i>Cleveland, O.</i>	133 York st.
Isaac Thomas	<i>West Chester, Pa.</i>	29 High st.
Norman Frederick Thompson	<i>Rockford, Ill.</i>	120 College st.
Francis Herbert Tichenor	<i>Parishville, N. Y.</i>	525 Chapel st.
Edward Staats DeGrote Tompkins	<i>Kinderhook, N. Y.</i>	489 Chapel st.
William Riffin Travers	<i>New York City</i>	489 Chapel st.
Henry Nelson Tuttle	<i>Chicago, Ill.</i>	494 Chapel st.
Edward Lambert Twombly	<i>Boston, Mass.</i>	198 Crown st.
Edwin Stewart Underhill	<i>Bath, N. Y.</i>	116 High st.
Adrian Sebastian Van de Graaff	<i>Los Angeles, Cal.</i>	197 Temple st.
Frederic Richardson Vernon	<i>Brooklyn, N. Y.</i>	147 York st.
Howard Talbot Walden	<i>Brooklyn, N. Y.</i>	153 Crown st.
George Martin Wallace	<i>Wallingford</i>	133 York st.
Pinckney Alston Waring	<i>Savannah, Ga.</i>	60 Whalley av.
Everett Warren	<i>Scranton, Pa.</i>	51 Howe st.
John Van Alstine Weaver	<i>Chicago, Ill.</i>	86 Wall st.
Francis Egerton Webb	<i>New York City</i>	251 Orange st.
George Wakeman Wheeler	<i>Hackensack, N. J.</i>	128 N.
Sherman Leland Whipple	<i>New London, N. H.</i>	183 George st.
Arthur Eli White	<i>New York City</i>	44 High st.
Henry Charles White	<i>Vernon, N. Y.</i>	77 York st.
Lasell Hayden White	<i>W. Richmondville, N. Y.</i>	494 Chapel st.
Charles Octavius Whitmore	<i>Farmington</i>	127 Crown st.
Charles Ezekiel Woods	<i>Mobile, Ala.</i>	109 Orange st.
George Woolsey	<i>New Haven</i>	250 Church st.
Edward Welton Young	<i>New Haven</i>	159 Bradley st.

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# SHEFFIELD SCIENTIFIC SCHOOL

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## GOVERNING BOARD

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GEORGE J. BRUSH, M.A., *Chairman and Executive Officer*  
WILLIAM A. NORTON, M.A.  
REV. CHESTER S. LYMAN, M.A.  
WILLIAM D. WHITNEY, Ph.D., LL.D.  
SAMUEL W. JOHNSON, M.A.  
WILLIAM H. BREWER, M.A.  
JOHN E. CLARK, M.A.  
DANIEL C. EATON, M.A.  
THOMAS R. LOUNSBURY, B.A.  
OTHNIEL C. MARSH, M.A.  
FRANCIS A. WALKER, Ph.D.  
OSCAR D. ALLEN, Ph.D.  
ADDISON E. VERRILL, M.A.  
SIDNEY I. SMITH, Ph.B.  
WILLIAM G. MIXTER, Ph.B.  
A. JAY DU BOIS, Ph.D.

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## ADDITIONAL INSTRUCTORS

ALBERT S. WHEELER, M.A.  
FREDERIC R. HONEY  
JOSEPH J. SKINNER, Ph.D.  
MANSFIELD MERRIMAN, Ph.D.  
A. HJALMAR EDGREN, Ph.D.  
JOSEPH F. KLEIN, D.E.  
GEORGE W. HAWES, Ph.B.  
RUSSELL H. CHITTENDEN, Ph.B.  
JOSEPH P. IDDINGS, Ph.B.  
SAMUEL L. PENFIELD, Ph.B.



## GRADUATE STUDENTS

William Whittlesey Abbott, PH.B.	<i>New Haven</i>	257 Church st.
George Henry Bartlett, PH.B.	<i>North Guilford</i>	157 Church st.
Morris Burke Belknap, PH.B.	<i>Louisville, Ky.</i>	86 W. D. H.
Thomas Marcus Blakslee, PH.B. } Madison University	<i>Hamilton, N. Y.</i>	36 Prospect st.
Francis Elwood Brown, PH.B.	<i>West Haven</i>	West Haven
Russell Henry Chittenden, PH.B.	<i>New Haven</i>	95 Humphrey st.
Frederic Henry Crafts, B.A. } Dartmouth College	<i>Uncasville</i>	170 George st.
Thomas Henry Dewey, LL.B.	<i>West Haven</i>	49 Church st.
Judson Amos Doolittle, PH.B.	<i>Cheshire</i>	17 Wooster pl.
Edward Livingston Ford, PH.B.	<i>Buffalo, N. Y.</i>	48 College st.
George Bird Grinnell, B.A.	<i>New York City</i>	6 Library st.
Oscar Harger, M.A.	<i>New Haven</i>	14 University pl.
George Wesson Hawes, PH.B.	<i>Boston, Mass.</i>	14 S. H.
Henry Allen Hazen, B.A. } Dartmouth College	<i>New Haven</i>	55 N. S. H.
Joseph Paxon Iddings, PH.B.	<i>Orange, N. Y.</i>	119 W. D. H.
James Boyd Neal, B.A.	<i>Bloomsburg, Pa.</i>	6 Library st.
Herbert Franklin Northrup, B.A. } Middlebury College	<i>Shoreham, Vt.</i>	73 York st.
John Robert Paddock, PH.B.	<i>Cheshire</i>	Cheshire
William Hampton Patton, B.A.	<i>Waterbury</i>	46 N. S. H.
Samuel Lewis Penfield, PH.B.	<i>Catskill, N. Y.</i>	14 S.
Lucius Waterman Robinson, PH.B.	<i>Fair Haven</i>	464 Chapel st.
George Smith, PH.B.	<i>New Haven</i>	83 Ashmun st.
Horace Lemuel Wells, PH.B.	<i>New Britain</i>	N. S. H.

GRADUATES, 23

NOTE—These names have already been included in the list of Graduate Students on page 23.

## SENIOR CLASS

William Day Allen	<i>Hartford</i>	116 College st.
Seymour Landon Alvord	<i>West Winsted</i>	116 College st.
John Pomeroy Bartlett	<i>New Britain</i>	116 College st.
John Luis Blackmore	<i>City of Mexico, Mexico</i>	40 Park st.
Edward Everett Brewster	<i>West Cornwall</i>	123 Park st.
Fayette Williams Brown	<i>Yonkers, N. Y.</i>	61 Grove st.
William Tyler Browne	<i>Lisbon</i>	155 Church st.
Lucien Lowber Burrows	<i>Decatur, Ill.</i>	25 College st.
Charles William Canfield	<i>Hartford</i>	81 Wall st.
Robert Williams Chapin	<i>Springfield, Mass.</i>	36 Elm st.
William Grover Chapin	<i>Somers</i>	104 Grove st.
Charles Samuel Churchill	<i>New Haven</i>	257 Franklin st.
Walter Linsley Cowles	<i>Wallingford</i>	153 Crown st.
Augustus James Emery	<i>Bangor, Me.</i>	35 Howe st.
Granger Farwell	<i>Chicago, Ill.</i>	36 Elm st.
Oswin Hart Doolittle Fowler	<i>North Haven</i>	133 College st.
Cadmus Zaccheus Gordon	<i>Brookville, Pa.</i>	8 Lock st.
Rodney Granger	<i>Chicago, Ill.</i>	450 Chapel st.
Leonard Vassall Greene	<i>Norwich</i>	450 Chapel st.
Henry Sturges Guthrie	<i>Buffalo, N. Y.</i>	464 Chapel st.
Ralph Augustus Harman	<i>Cleveland, O.</i>	36 Elm st.
Walter Tillman Hart	<i>New Haven</i>	82 Trumbull st.
George Stewart Hegeman	<i>Brooklyn, N. Y.</i>	61 Grove st.
Charles Betts Hillhouse	<i>New Haven</i>	3 Hillhouse av.
Robert Samuel Hulbert	<i>West Winsted</i>	31 Prospect st.
Thomas Mastin Jacks	<i>Helena, Ark.</i>	87 Olive st.
Fred. Beckwith Jillson	<i>Whitehall, N. Y.</i>	61 Grove st.
Edward Charless LeBourgeois	<i>St. James Parish, La.</i>	36 Elm st.
Charles Richard Lee	<i>Kenosha, Wisc.</i>	115 Park st.
George Webb Mason	<i>Orange, N. J.</i>	86 W. D. H.
William James Perry Moore	<i>New Britain</i>	97 William st.
Frank Turner Moorhead	<i>Pittsburgh, Pa.</i>	61 Grove st.
George Henry Potts	<i>Pittstown, N. J.</i>	61 Grove st.
Edward Townsend Reed	<i>Albany, N. Y.</i>	257 Church st.
Charles Theodore Richmond	<i>Johnsonville, N. Y.</i>	61 Grove st.
Edward Kilbourn Roberts	<i>New Haven</i>	8 Brown st.
Harold Roorbach	<i>New York City</i>	104 Grove st.
Edward Hubbard Russell	<i>New Haven</i>	19 Wooster pl.
Edward Herndon Smith	<i>Brooklyn, N. Y.</i>	36 Elm st.
William Annin Vliet	<i>Cleveland, O.</i>	193 Temple st.
Ebin Jennings Ward	<i>Marseilles, Ill.</i>	523 Chapel st.
Edmund Beecher Wilson	<i>Geneva, Ill.</i>	57 N. S. H.
Francis Dana Winslow	<i>Washington, D. C.</i>	36 Elm st.

## JUNIOR CLASS

Frederick Innis Allen	<i>Auburn, N. Y.</i>	33 Prospect st.
Harry Washington Asher	<i>New Haven</i>	6 Orange st.
William Montgomery Atwater	<i>New Haven</i>	15 Elm st.
Charles Ketchum Averill	<i>Bridgeport</i>	126 High st.
Charles Rufus Ayres	<i>Woodmont</i>	8 Lock st.
Nathaniel Terry Bacon	<i>New Haven</i>	196 Crown st.
Samuel Eben Barney	<i>New Haven</i>	110 Olive st.
George Frederick Hunter Bartlett	<i>Buffalo, N. Y.</i>	62 W. D. H.
Lindon Bates	<i>Chicago, Ill.</i>	A.
Joseph Bidleman Bissell	<i>Lakeville</i>	111 Park st.
Malcom Booth	<i>South Kingston, R. I.</i>	17 Wooster pl.
Harry Osborn Carrington	<i>New Haven</i>	527 Chapel st.
Frederick Burr Clemmons	<i>New Haven</i>	162 Putnam st.
William James Comstock	<i>Toledo, O.</i>	37 College st.
Albert William Congdon	<i>Brooklyn, N. Y.</i>	44 High st.
John Howard Cromwell	<i>Cranford, N. J.</i>	122 College st.
Charles Thompson Dodd	<i>West Meriden</i>	134 College st.
Arthur Dodge	<i>Stamford</i>	134 College st.
George Clarence Egan	<i>Chicago, Ill.</i>	36 Elm st.
Emerson Young Foote	<i>New Haven</i>	111 Park st.
Norman Norton Fowler	<i>Agawam, Mass.</i>	141 Bradley st.
John Currier Gallagher	<i>New Haven</i>	21 Olive st.
Jonathan Godfrey	<i>Southport</i>	134 College st.
Frank Hanson Harrison	<i>Indianapolis, Ind.</i>	15 Home pl.
Gerald Waldo Hart	<i>New Britain</i>	33 Prospect st.
Harry Dudley Hibbard	<i>Woodside, N. Y.</i>	464 Chapel st.
Frank Hillhouse	<i>New Haven</i>	3 Hillhouse av.
Charles DeVilliers Hoard	<i>Chicago, Ill.</i>	416 Chapel st.
Charles Perry Hull	<i>Lebanon</i>	128 High st.
John Jewett	<i>Brooklyn, N. Y.</i>	55 Trumbull st.
Willard Drake Johnson	<i>Washington, D. C.</i>	A.
Frederick Augustus Jones	<i>Newark, N. J.</i>	163 Temple st.
Alfred Dennis Lewis	<i>Bridgeport</i>	134 College st.
George Walker Meeker	<i>Chicago, Ill.</i>	55 Trumbull st.
Kakichi Mitsikuri	<i>Tokio, Japan</i>	523 Chapel st.
John Moorhead	<i>Pittsburgh, Pa.</i>	109 Elm st.
Edward Delavan Nelson	<i>New York City</i>	55 Trumbull st.
Walter Nordhoff	<i>Alpine, N. J.</i>	145 York st.
Frederick Wallace Paramore	<i>St. Louis, Mo.</i>	36 Elm st.
Robert Wilson Patrick	<i>Omaha, Nebr.</i>	531 Chapel st.
William Eckhardt Raht	<i>Cleveland, Tenn.</i>	87 Church st.
Edward Vilette Reynolds	<i>Chicago, Ill.</i>	109 Elm st.
Edward Rupert Sargent	<i>New Haven</i>	132 Wooster st.
George Augustus Saunders	<i>Newport, R. I.</i>	157 Bradley st.
William Seth Silsby	<i>Seneca Falls, N. Y.</i>	36 Elm st.

Rufus Henry Skeel	Newburgh, N. Y.	31 Prospect st.
Herbert Eugene Smith	Hartford	141 Bradley st.
Thaddeus Henry Spencer	Suffield	141 Bradley st.
Isalah Kidder Stetson	Bangor, Me.	62 W. D. H.
Daniel Eddie Stone	Cleveland, O.	61 Grove st.
Arthur Stoddard Van Voorhis	New York City	94 Grove st.
John Thomas Waring	Yonkers, N. Y.	61 Grove st.
Albert Lowery Webster	Bethlehem, Pa.	119 W. D. H.
Charles Seward Wilcox	Painesville, O.	136 College st.
Walter Smith Williams	Evanston, Ill.	36 Elm st.
Charles Henry Wilmerding	Hartford	29 Prospect st.
		JUNIORS, 56

## FRESHMAN CLASS

Daniel Sidney Appleton	New York City	165 Temple st.
Charles Backus Ball	New Britain	113 Bailey st.
Edward Henry Ball	Milwaukee, Wisc.	165 Temple st.
Hartman Bache Borie	Philadelphia, Pa.	156 York st.
Harry Banning Bradford	Wilmington, Del.	169 Temple st.
Charles Sumner Brown	Fair Haven	25 Whitney av.
Joseph Arthur Chanute	New York City	128 High st.
George Huntington Clark	Norwich	29 Prospect st.
Arthur Baylies Coffin	Edgartown, Mass.	191 Temple st.
Edward Allen Colby	St. Johnsbury, Vt.	23 Prospect st.
Frank McAlpine Collin	Penn Yan, N. Y.	72 High st.
Peter Franklin Conway	New Haven	117 Washington st.
Charles Mabie Crouse	Syracuse, N. Y.	120 Chapel st.
Edward Merrill Currier	Chelsea, Mass.	14 Lock st.
Harry Sprague Davidson	San Francisco, Cal.	161 Temple st.
William Loami Davis	Chicago, Ill.	523 Chapel st.
Thomas Edward Doolittle	Onarga, Ill.	113 Olive st.
Jacob Edward Emery	Fair Haven	73 Exchange st.
George Robert Ferguson	New Haven	29 Sylvan av.
William Henry Fox	Washington, D. C.	25 Prospect st.
George Washington Gibson	New Haven	44 Edwards st.
George Edward Goodspeed	East Haddam	183 George st.
John Warren Hardenbergh	Jersey City, N. J.	117 Elm st.
Samuel Higgins	Buffalo, N. Y.	82 Wall st.
Louis Maynard Higginson	Newburgh, N. Y.	161 Temple st.
Walter Hitchcock	Cheshire	29 Prospect st.
Theodore Lanahan Hooper	Baltimore, Md.	169 Temple st.
James Barland Houston	Enfield	163 Temple st.
Frank Allison Hubbard	Sandusky, O.	121 Park st.
Colin Macrae Ingersoll	New Haven	85 Trumbull st.
Charles Henry Johnson	Union, N. J.	12 Trumbull st.

David Brown Lewis	<i>Utica, N. Y.</i>	12 Trumbull st.
Ernest Theophilus Liefeld	<i>New Haven</i>	36 Orchard st.
Richard Becker Lyon	<i>New Haven</i>	710 Chapel st.
Willey Solon McCrea	<i>Chicago, Ill.</i>	221 Elm st.
Edwin Kirtland Morse	<i>Poland, O.</i>	29 College st.
Carl Eugene Munger	<i>Watertown</i>	23 Prospect st.
Edward Butler Needham	<i>Hartford</i>	191 Temple st.
Frederic Adriaance Osborn	<i>New Haven</i>	150 York st.
John Irving Pearce	<i>Chicago, Ill.</i>	71 York st.
George Benjamin Phelps	<i>Watertown, N. Y.</i>	84 Wall st.
Dwight Porter	<i>Hartford</i>	14 Lock st.
Edgar Sheffield Porter	<i>New Haven</i>	38 Hillhouse av.
Edward Freeman Porter	<i>Stowe, Vt.</i>	23 Prospect st.
Joel Howard Reed	<i>Albany, N. Y.</i>	251 Church st.
Edwin McNeil Rogers	<i>Central City, Col.</i>	191 Temple st.
George Bliss Rogers	<i>Lexington, Mass.</i>	169 Temple st.
Isaac Marion Rosenthal	<i>Rochester, N. Y.</i>	35 Howe st.
William Bartlett Schofield	<i>West Point, N. Y.</i>	48 College st.
Henry Starkweather	<i>New Haven</i>	170 Martin st.
Elliott Joseph Stoddard	<i>Seymour</i>	80 Broadway
Schuyler Van Vechten	<i>Albany, N. Y.</i>	165 Temple st.
Adrian Rowe Wadsworth	<i>Farmington</i>	135 St. John st.
William Candee Warren	<i>Buffalo, N. Y.</i>	82 Wall st.
Adolph Frederic Wehner	<i>New Haven</i>	544 Chapel st.
George Goodman Williams	<i>Glastonbury</i>	133 College st.
Arthur Burnham Woodford	<i>West Winsted</i>	36 York sq.
William Henry Yale	<i>New York City</i>	201 Orange st.
		FRESHMEN, 58

## SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE

Louis Norton Bail	<i>New Haven</i>	43 Park st.
Thomas Attwater Bostwick	<i>New Haven</i>	162 Olive st.
William Thomas Cochrane	<i>Durham, Ontario</i>	119 Greene st.
Caldwell Hart Colt	<i>Hartford</i>	165 Temple st.
Alfred Daggett	<i>New Haven</i>	9 Warren st.
Arthur Melancthon Diggles	<i>Tarrytown, N. Y.</i>	55 Trumbull st.
Joseph Caldwell Earle	<i>New Haven</i>	214 Orchard st.
Robert Haggert	<i>Brompton, Ontario</i>	119 Greene st.
Charles Wilbur Nichols	<i>Bridgeport</i>	Bridgeport
Edward H. Phipps	<i>New Haven</i>	144 Chapel st.
Benjamin Silliman Warner	<i>Pomfret</i>	34 Hillhouse av.
Walter Watson	<i>Northampton, Mass.</i>	90 Grove st.
Charles Wilson Whittlesey	<i>New Haven</i>	524 Chapel st.
Eugene Benjamin Wilson	<i>Elizabeth, N. J.</i>	147 York st.

SPECIAL STUDENTS, 14

# SCHOOL OF THE FINE ARTS

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## FACULTY

REV. NOAH PORTER, D.D., LL.D., PRESIDENT  
JOHN F. WEIR, N.A., M.A., *Director*  
JOHN H. NIEMEYER, M.A.

---

FREDERIC R. HONEY, *Instructor in Perspective*  
JOHN P. C. FOSTER, M.D., *Instructor in Anatomy*

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JOLINE B. SMITH, *Librarian*

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## STUDENTS

Georgianna Ayres	<i>Kansas</i>
Emma H. Bacon	<i>Meriden</i>
Florence J. Bail	<i>New Haven</i>
Henry Baldwin, B.A.	<i>Hartford</i>
John Clark	<i>New Haven</i>
Julie I. Coe	<i>New Haven</i>
Jessalyn A. Crouch	<i>Middlefield</i>
Lucy M. Dungan	<i>New Haven</i>
Frank W. Fellowes	<i>New Haven</i>
Henry Gardiner	<i>New Haven</i>
Carrie S. Gold	<i>West Cornwall</i>
Caroline Hensell	<i>Hartford</i>
Allie S. Johnson	<i>New Haven</i>
Helen E. Leonard	<i>Seymour</i>
Charles R. Loomis	<i>Hartford</i>
Walter E. Nettleton	<i>Stockbridge, Mass.</i>
Annie F. Penfield	<i>Rockland, Ill.</i>
Louise Powe	<i>New Haven</i>
Edith Reilly	<i>New Haven</i>
Melissa Relyea	<i>Green's Farms</i>
Lucy Trowbridge	<i>New Haven</i>
Jessia A. Wier	<i>New Haven</i>
Abbie E. Woodbury	<i>Norwalk</i>

STUDENTS, 23

In addition to the above, fifty-eight undergraduate students of the Sheffield Scientific School, and four undergraduate students of the Academical Department, are receiving instruction in the Art School.

## SUMMARY OF STUDENTS

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DEPARTMENT OF THEOLOGY        -       -       -       -       107

DEPARTMENT OF MEDICINE       -       -       -       -       56

DEPARTMENT OF LAW       -       -       -       -       59

DEPARTMENT OF PHILOSOPHY AND THE ARTS:

GRADUATE INSTRUCTION       -       -       -       50

UNDERGRADUATE ACADEMICAL DEPARTMENT       577

SHEFFIELD SCIENTIFIC SCHOOL       -       -       194

SCHOOL OF THE FINE ARTS       -       -       23

— 844

1066

Deduct for names inserted twice       -       27

Total       -       -       -       -       1039

## GENERAL STATEMENT

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The departments of instruction in YALE COLLEGE are comprehended under four divisions, as follows:

The Faculty of THEOLOGY,  
of MEDICINE,  
of LAW,  
of PHILOSOPHY AND THE ARTS.

Under the last named Faculty are included, the COURSES FOR GRADUATE INSTRUCTION, the UNDERGRADUATE ACADEMICAL DEPARTMENT, the UNDERGRADUATE SECTION OF THE SHEFFIELD SCIENTIFIC SCHOOL, and the SCHOOL OF THE FINE ARTS—each having a distinct organization.

In the particular statements which follow, the Department of Philosophy and the Arts is first given, with its subdivisions in the order named; and afterwards the three Professional Departments.

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The legal designation of the Corporation is "THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN."



# DEPARTMENT OF PHILOSOPHY AND THE ARTS

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## GRADUATE DEPARTMENT

Graduates of this and other Colleges, and other persons of liberal education (not less than eighteen years old), are received as students for longer or shorter periods, with or without reference to the attainment of a degree.

An Executive Committee has a general oversight of the students in this department. The Committee this year is composed of Professors WHITNEY, NEWTON, BRUSH, and WHEELER. They receive the names of applicants for instruction, and judge and approve the courses of study proposed; and information may be obtained from them as to conditions, terms, etc. Students may also make special arrangements with any instructor according to their mutual convenience.

Instruction is given partly by lectures, partly by recitations and by oral and written discussions, partly by directing courses of reading, and partly by work in the laboratories and with instruments.

The terms and vacations correspond with those in the Undergraduate Departments. (See Calendar, p. 4.)

The fee for instruction in connection with the Sheffield Scientific School is \$150 a year; in other cases generally \$100, or more or less, according to the course pursued and the amount of instruction received.

THE DEGREE OF DOCTOR OF PHILOSOPHY is conferred upon those who, after having taken a Bachelor's degree (implying a course of undergraduate study equivalent to that pursued in the Academical Department), and having studied in this department for not less than two years, shall have passed a satisfactory final examination and presented a thesis giving evidence of high attainment in the branches of knowledge pursued. It is not given, upon examination, to those whose studies are pursued elsewhere. The requirements for it will in some cases exact of the student more than two years of

labor; especially when the course of undergraduate study has been less than four years. A good knowledge of Latin, German, and French will be required in all cases, unless, for some exceptional reason, the candidate be excused by the Faculty. The graduating fee is ten dollars.

The courses of instruction given in the department may be grouped as follows:

*1. Intellectual Philosophy : Ethics.*

President PORTER: Psychology; Philosophy; History of Philosophy; Ethics.

*2. Political Science.*

Ex-President WOOLSEY: International Law.

Professor BREWER: Relations of Physical Geography to Political History.

Professor WHEELER: History of England to Henry VII.

Professor WALKER: Public Finance; Statistics of Industry.

Professor SUMNER: Politics and Finance in the History of the United States; American Constitutional Law; Sociology.

Mr. A. S. WHEELER: the Institutes of Gaius and of Justinian; select titles of the *Corpus Juris*; German text-books of Roman Law.

*3. Philological Science ; Literature.*

Professor THACHER and Professor H. P. WRIGHT: Latin.

Dr. J. H. TRUMBULL: the American Indian Languages, especially the dialects of the Algonkin family.

Professor WHITNEY: the general principles of Linguistic Science; the Comparative Philology of the Indo-European Languages; the Sanskrit Language.

Professor PACKARD: Greek; the History of Greek Literature.

Professor WILLIAMS: the Chinese Language and Literature.

Mr. VAN NAME: the elements of the Japanese Language.

Professor LOUNSBURY: the Anglo-Saxon Language; the early forms and literature of English.

Professor COE: Old French and Provençal.

Professor CARTER: the older Germanic Languages and Literature, including Gothic.

Professor DAY: the Hebrew and other Semitic Languages.

*4. Mathematics.*

Professor NEWTON: Calculus; Analytical Mechanics; Lunar and Planetary Theories; Higher Geometry.

Professor CLARK: Definite Integrals; Differential Equations; Analytical Mechanics; the Theory of Numerical Approximations; the Method of Least Squares.

Professor GIBBS: the Laws of Vibratory and Undulatory Motion, with especial reference to Light and Sound; the Potential Function, with its application to the theories of Electricity and Magnetism; Capillarity.

*5. Physics; Chemistry; Astronomy.*

Professor LOOMIS: Meteorology, with especial reference to the making and reducing of observations.

Professor NORTON: Spherical Astronomy.

Professor LYMAN: the use of Meridional and other Astronomical Instruments.

Professor JOHNSON: Theoretical and Analytical Chemistry.

Professor A. W. WRIGHT: Physical Manipulation, in the departments of Heat, Light, and Electricity, with practical directions as to the management of apparatus.

Professor ALLEN: Analytical Chemistry.

Professor DU BOIS: Thermodynamics.

*6. Geology; Natural History.*

Professor DANA: Geology.

Professor BRUSH: the Analysis and Determination of Mineral species; Descriptive Mineralogy.

Professor EATON: Structural and Systematic Botany, including the North American Flora and the description of genera and species.

Professor MARSH: Palæontology; Comparative Osteology.

Professor VERRILL and Professor S. I. SMITH: Zoology.

Dr. E. S. DANA: Optical Mineralogy; Crystallography.

*7. Applied Science.*

Professor NORTON: Applied Mechanics.

Professor LYMAN: Astronomical Spectroscopy.

Professor JOHNSON: Agricultural Chemistry.

Professor BREWER: Agriculture; Forest Culture.

Professor ALLEN: Metallurgy; Assaying.

Professor DU BOIS: Dynamical Engineering.

*8. Fine Arts.*

For the instruction open to Graduates in the School of the Fine Arts, see page 73.

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THE DEGREE OF MASTER OF ARTS is conferred on Bachelors of Arts of two years' standing or upwards, who have given to the Academical Faculty evidence of having made satisfactory progress in liberal studies after receiving their first degree.

Such evidence may be furnished by one year's systematic study (not professional) in New Haven, under the direction of the Academical Faculty, followed by an examination.

Such Bachelors of Arts of this College as may not choose to reside at the College for the prosecution of study, may show, at any time not less than three years after graduation, by their printed essays, or by submitting to special examinations, that they have spent a year in liberal (and non-professional) study, and are worthy of recommendation for this degree.

A committee of the Faculty is appointed (consisting, for the present year, of Professors NEWTON and WHEELER), to whom candidates for this degree must submit their proposed courses of study by the first of November in each year; and the evidence of a year's study must be submitted to the same committee by the first of the following June.

In the case of resident students, the charge for instruction will usually be \$100, with a fee of ten dollars for the degree. In the case of non-residents, the fee for examinations and the degree will usually be \$25.

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THE DEGREES OF CIVIL AND DYNAMIC ENGINEER are conferred on Bachelors of Philosophy who have taken the first degree in Engineering study, and who pursue a higher course for at least two years, sustaining a final examination, and giving evidence of their ability to design important constructions and make the requisite drawings and calculations. The fee for graduation is \$5.

## UNDERGRADUATE ACADEMICAL DEPARTMENT

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CANDIDATES FOR ADMISSION to the Freshman Class are examined in the following books and subjects:

Latin Grammar.

Sallust—Jugurthine war; or four books of Cæsar.

Cicero—seven Orations.

Virgil—Bucolics, Georgics, and first six books of the *Æneid*, including Prosody.

Arnold's Latin Prose Composition, to the Passive voice (first twelve chapters). It is suggested to teachers, in addition to the use of the work named, to connect simple exercises in making Latin, either oral or written, with all the Latin studies of their pupils throughout the preparatory course.

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Greek Grammar—with translation of English into Greek.

Xenophon—Anabasis, four books.

Homer—Iliad, three books, with Prosody.

Greek History.

The rules for pronunciation given in Hadley's Grammar are recommended as a guide. For Greek History, Dr. William Smith's or Fyffe's text-book, and for Greek Composition, Jones's Exercises or White's Lessons are suggested.

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Higher Arithmetic—including the metric system of weights and measures.

Algebra—so much as is included in Loomis's Treatise, up to the chapter on Logarithms.

Euclid—first two books. [The first, third, and fourth books of Davies's Legendre's Elements of Geometry, or of Loomis's Elements of Geometry, may be offered instead of Euclid.] In Geometry, the candidate must be prepared on the principles of construction, as he will be required to draw the figures for the demonstration of propositions.

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English Grammar and Geography; a thorough knowledge of which is required.

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THE REGULAR EXAMINATION FOR ADMISSION is held at Graduates' Hall, New Haven, on the Friday, Saturday, and Monday following Commencement (June 28, 29, July 1, 1878): *attendance is required at the beginning of the examination, at 9 A. M. on Friday*; those candidates will be detained until Monday, whose examination cannot, for any reason, be finished on Saturday. The examination is partly oral and partly written; copies of papers recently given (covering only the *written* portion of the examination) will be sent on application.

In 1878 an examination for admission to the Freshman Class will also be held in Chicago (beginning on Friday, June 28, at 9 A. M.), at a place to be announced in the Chicago newspapers of the day previous. This examination will be wholly in writing. Candidates who propose to be present are requested to send their names to the Secretary before June 15.

A second examination (for those who cannot attend the first) is held in New Haven at the beginning of the College year, on Tuesday and Wednesday (Sept. 10, 11, 1878): candidates for this examination must attend at Graduates' Hall at 9 A. M. on Tuesday.

Persons applying to be examined at other times must first obtain special permission from the Faculty, and pay to the Treasurer a fee of ten dollars. In general, no examinations for admission to the Freshman Class can be held before Commencement, or during vacation.

**ADVANCED STANDING**—All candidates for advanced standing, *whether from other Colleges or not*, are examined, in addition to the preparatory studies, in those already pursued (see next page) by the Class which they wish to enter. In the several languages, for the particular books studied by the Class, equivalent amounts may be offered from other books in the same language.

Bachelors of Arts or of Philosophy of any institution may join the Senior Class without examination, as candidates for the degree of Doctor of Philosophy after three years' study. (See p. 48.)

No one can be admitted to the Senior Class after the beginning of the second term.

**AGE**—No one can be admitted to the Freshman Class till he has completed his fifteenth year, nor to an advanced standing without a corresponding increase of age.

**TESTIMONIALS**—Satisfactory testimonials of good moral character (preferably from the last principal instructor) are in all cases required, before a certificate of admission is granted; and students from other Colleges must present certificates of dismissal in good standing.

**BOND**—Every person must give to the Treasurer, on being admitted, a bond, executed by his parent or guardian, for five hundred dollars, as security for the payment of all charges arising under the laws of the College.

## COURSE OF INSTRUCTION.

THE COURSE OF INSTRUCTION occupies four years. In each year there are two terms or sessions.

The following is a scheme of the studies, or, more correctly, of equivalents which will be accepted from candidates for advanced standing:—

## FRESHMAN YEAR:

FIRST TERM—*Greek*—Homer's *Odyssey*, begun. *Latin*—Livy, begun; Cicero's Second Philippic; Arnold's Latin Composition (to page 150). *Mathematics*—Loomis's Algebra; Todhunter's Euclid; Chauvenet's Geometry. *Hygiene*—Lectures.

SECOND TERM—*Greek*—Homer's *Odyssey*, continued through four books; Herodotus, continued through half of the first book; Arnold's Greek Composition. *Latin*—Livy, continued through one book; Cicero *de senectute*; Ovid, Ramsay's Selections; Roman Antiquities. *Mathematics*—Chauvenet's Geometry; Loomis's Trigonometry. *Rhetoric*—Recitations and Lectures. Compositions.

## SOPHOMORE YEAR:

FIRST TERM—*Greek*—Six Orations of Demosthenes. *Latin*—Odes Horace; Agricola of Tacitus. *Mathematics*—Loomis's Trigonometry. *Rhetoric*—Lectures on Composition. Compositions. Criticism.

SECOND TERM—*Greek*—Prometheus of Æschylus; Xenophon's *Memorabilia*, one book; Antigone of Sophocles; Plato's Apology of Socrates and Crito. *Latin*—Satires and Epistles of Horace; Satires of Juvenal; Cicero *de officiis*. *Mathematics*—Loomis's Trigonometry; Loomis's Conic Sections; Loomis's Analytical Geometry; Mechanics. *Rhetoric*—Lectures on Elocution, with practice. Declamations. Compositions.

## JUNIOR YEAR:

FIRST TERM—*Physics*—Ganot's Physics. *German*—Whitney's Grammar and Reader; German Composition. *English*—Shakespeare; Forensic Disputations. *Chemistry*—Barker's Chemistry; Lectures.

For optional studies (*Latin, Greek, Mathematics, French*) see next page.

SECOND TERM—*Natural Philosophy*—Ganot's Physics. Lectures. *English*—Chaucer, Recitations. Forensic Disputations. *German*—Whitney's Grammar and Reader; German Composition. *Zoology*—Huxley's Physiology. Lectures. Laboratory Practice. *Astronomy*—Loomis's Astronomy, to Chapter x. *Logic*—Jevons's Logic.

For optional studies (*Latin, Greek, Mathematics, French, Anglo-Saxon, Zoology, Botany*) see next page.

## SENIOR YEAR:

FIRST TERM—*Mental Philosophy*—Porter's Human Intellect. Lectures. *Geology*—Dana's *Geology*. *Political Science*—Fawcett's *Political Economy*. Lectures. *Rhetoric*—Compositions. Criticism.

For optional studies (*Latin, Greek, French, German, Sanskrit, English, Mathematics, Astronomy, Mineralogy, European History*) see below.

SECOND TERM—*Natural Theology and Evidences of Christianity*—Lectures. *Moral Philosophy*—Recitations. Lectures. *History of Philosophy*—Schwegler's *History*. *History*—Hallam's *Constitutional History*. Lectures. *Evolution and Cosmogony*—Lectures. *Rhetoric*—Compositions. Criticism. *Political and Social Science*—Recitations. Lectures. *International Law*—Woolsey's *International Law*. *Elements of Jurisprudence and American Constitutional Law*—Lectures.

For optional studies (*Philosophy, Latin, Greek, French, German, Sanskrit, English, Linguistics, Mathematics, Physics, Meteorology, Geology, Palaeontology, American History, Political Science*) see below.

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OPTIONAL STUDIES—Every student is required to have four exercises a week in an optional study, during Junior and Senior years. Change from one optional to another is allowed at the end of Junior year, and also to a new optional whenever one is begun. Any student who can on examination show thorough acquaintance, in advance, with one or more of the required studies of Junior or Senior year, may choose instead a second optional. The following courses of optional studies are provided.

## I. PHILOLOGY.

1. ANCIENT LANGUAGES: (a) GREEK, through Junior and Senior years, four exercises a week, with Professor Packard; the *Seven against Thebes* and the *Oresteia* of Æschylus. (b) LATIN, through Junior and Senior years, with Professor Thacher, four exercises a week. (c) SANSKRIT, through Senior year, with Professor Whitney, two double exercises a week.

2. MODERN LANGUAGES AND LITERATURE: (a) FRENCH, through Junior and Senior years, four exercises a week, with Professor Coe; in Junior year, French Composition, Modern French Authors; in Senior year, French Composition, Corneille, Racine, Molière, Boileau, LaFontaine. A knowledge of the elements of the French language is required of students who choose French as an optional study in Junior year. The examination may be passed at the time of the Sophomore annual examination, or at the beginning of Junior year, and will be upon Chardenal's First French Course. (b) GERMAN, through Senior year, four exercises a week, with Professor Carter; Schiller's *Die Piccolomini*, Goethe's *Iphigenie*, selections from Goethe's *Prose*, Lessing's *Laocoon*, German Composition. (c) ANGLO-SAXON, through the second term of Junior year, with Professor Beers, four exercises a week;



Sweet's Anglo-Saxon Reader. (d) ENGLISH LITERATURE, through Senior year, with Professor Beers ; for the first term, four exercises a week ; for the second term, two exercises a week ; Mätzner's Alt-Englische Sprachproben ; Skeat's Specimens of English Literature ; Lectures.

3. LINGUISTICS : Through the first half of the second term of Senior year, two exercises a week, with Professor Whitney.

## II, INTELLECTUAL PHILOSOPHY.

With President Porter, through the second term of Senior year, two exercises a week.

## III, HISTORY AND POLITICAL SCIENCE.

1. EUROPEAN HISTORY, through the first term of Senior year, with Professor Wheeler, four exercises a week ; Hallam's Middle Ages.

2. AMERICAN HISTORY, through the second term of Senior year, with Professor Dexter, two exercises a week ; Bancroft's History of the United States.

3. POLITICAL ECONOMY, through the second term of Senior year, with Professor Sumner, two exercises a week.

## IV, MATHEMATICS AND ASTRONOMY.

1. MATHEMATICS, through Junior and Senior years, four exercises a week, with Professor Newton ; Loomis's Calculus, followed by Analytical Mechanics or Higher Geometry.

2. ASTRONOMY, through the first term of Senior year, four exercises a week, with Professor Loomis ; Loomis's Astronomy.

## V, MOLECULAR AND TERRESTRIAL PHYSICS.

1. PHYSICS, through the second term of Senior year, two exercises a week, with Professor A. W. Wright.

2. METEOROLOGY, through the second term of Senior year, four exercises a week ; Loomis's Meteorology.

## VI, NATURAL SCIENCE AND GEOLOGY.

1. ZOOLOGY, through the second half of the second term of Junior year, four exercises a week, with Mr. J. K. Thacher.

2. MINERALOGY AND MATHEMATICAL CRYSTALLOGRAPHY, through the first term of Senior year, with Professor Dana, four exercises a week ; Dana's Text-Book.

3. GEOLOGY, through the first half of the second term of Senior year, with Professor Dana, four exercises a week ; Dana's Manual.

4. PALÆONTOLOGY, through the second half of the second term of Senior year, with Mr. J. K. Thacher ; Dana's Manual of Geology. [Geology and Palæontology make together one course ; those taking this course must have first taken the course in Mineralogy and Crystallography.]

5. BOTANY, through the second half of second term of Junior year, with Professor Eaton, four exercises a week.

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EXERCISES IN DECLAMATION AND COMPOSITION—The Senior Class have exercises in English composition, and the Junior Class, in forensic disputation, through the year.

The Sophomore Class during the whole year, and the Freshman Class, during the latter half of the second term, have exercises in English composition.

The Sophomore Class have regular exercises in elocution ; and once a week, during a part of the year, have an exercise in declamation before the Professor of Rhetoric and the members of the Class.

PUBLIC EXAMINATIONS are held at the close of the first and at the middle of the second term, on the studies of the term and half-term ; and, at the close of the year, on all the studies of the year. The annual examinations are conducted wholly in writing, and continue for about two weeks.

VOCAL MUSIC—Gratuitous instruction in Vocal Music is given during a part of the year (the exercises being open to members of all the Departments of the College), subject, however, to a small charge for fire and lights.

#### TERMS AND VACATIONS.

THE PUBLIC COMMENCEMENT is held on the Thursday after the last Wednesday in June. The first term begins eleven weeks from Commencement-day and continues fourteen weeks: the second term begins on the second Thursday in January and continues until Commencement-day, with a Spring recess—usually of eight days—including Easter. (See Calendar, p. 4.) The exercises of each term begin with prayers in the Chapel on Thursday morning.

LEAVE OF ABSENCE—No student is allowed to be absent without special leave, except in the vacations.

#### PUBLIC WORSHIP.

PRAYERS are attended in the Battell Chapel every morning, with reading of the Scriptures and singing, and all the students are required to be present.

PUBLIC WORSHIP is held in the Chapel on Sundays, at which all the students are required to attend, except such as have special permission to attend the worship of other denominations, to which their parents belong. Such permission can be obtained only on presenting to the President a written request therefor from the parent or guardian.

#### GYMNASIUM.

THE GYMNASIUM is designed to provide all the students with opportunities for exercise. Those who use the bath-rooms pay a small fee for tickets.

## EXPENSES.

THE TREASURER'S BILLS are made out three times a year, viz., at the close of the first term, and at the middle and close of the second term, at which times they are payable. The bills must be paid within two weeks after the beginning of the succeeding term or half-term, or the student is liable to be prohibited from reciting. Drafts on Boston, New York, and Philadelphia will be received at par.

The annual charge for tuition and incidentals is \$140.

For the rent and care of a half-room in the College buildings, the average charge is thirty-five dollars per year.

OTHER CHARGES—There are additional charges at graduation, amounting to eighteen dollars. If a student occupies a room alone, the charge for rent and care is ordinarily double that stated above.

ABSENCE ON LEAVE—A student who is absent from College on account of sickness, or for any other cause, and still retains his place in his class, pays full tuition during such absence.

BOARD is obtained at prices varying from four to eight dollars a week. The average price for the summer of 1876 was about \$5.25. Board may be obtained in clubs, at a lower rate than is common in boarding houses.

ROOMS—There are at present in the College buildings above two hundred rooms occupied by students, at prices varying (according to location) from \$25 to \$140 per year, not including vacations. Students living out of College are not allowed to room in any building in which a family does not reside, except by special permission of the Faculty.

FURNITURE, BOOKS, ETC.—Students provide for themselves furniture, fuel, lights, and text-books; if books and furniture are sold when the student has no further necessity for them, the expenses incurred by their use will not be great.

NECESSARY EXPENSES—The following may be considered a near estimate of the *necessary* annual expenses, for a student occupying a half-room in College, without including apparel, traveling, and board in vacations:—

Treasurer's bill (according to location of room),	from \$160 to \$220	
Board, 37 weeks,	- - - - -	" 150 to 300
Fuel, lights, and washing,	- - - - -	" 35 to 65
Use of text-books and furniture,	- - - - -	" 30 to 65
Total,	- - - - -	\$375 \$650

COLLEGE GUARDIAN—As a precaution against extravagance, parents at a distance sometimes deposit funds with one of the Faculty; who, in that case, attends to the pecuniary concerns of the student, settles his bills, corresponds with the parent, and transmits an account of expenditures, for which services he charges a commission.

#### BENEFICIARY FUNDS.

The sum of \$12,000 and upwards, derived partly from permanent charitable funds, is annually applied by the Corporation for the relief of students who need pecuniary aid, especially of those preparing for the Christian ministry. About one hundred thus have their tuition either wholly or in part remitted. Students needing such aid should apply to the President, soon after entering College. Assistance will be withdrawn from students who incur serious College censure, or who fail to maintain a reputable scholarship.

THE HARMER FOUNDATION OF SCHOLARSHIPS comprises six scholarships, each yielding one hundred dollars a year, to be given to deserving students of small means.

There are also eighteen other Scholarships, most of them yielding sixty dollars a year, which may be given to such students as shall be selected by the founders or the Faculty.

Students who need to avail themselves of the use of the Benevolent Library are supplied gratuitously with many of the text-books used in the College course.

#### FELLOWSHIPS AND SCHOLARSHIPS.

THE DOUGLAS FELLOWSHIP, with an income of at least six hundred dollars a year, was founded in 1873 by Mrs. Samuel Miller, of New Haven, and named in memory of her brothers, Rev. Sutherland Douglas (Y. C. 1822) and George H. Douglas (Y. C. 1828). The incumbent, who must be a recent graduate of the Academical Department, pursuing non-professional studies in New Haven, is elected annually, but may not hold the Fellowship for more than three years.

THE SOLDIERS' MEMORIAL FELLOWSHIP, with an annual income of six hundred dollars, was founded in 1875 by Mrs. Theodosia D. Wheeler, of New Haven, in honor of the alumni who fell in battle as Union soldiers, in the war of 1861-1865, and in especial remembrance of William Wheeler, of the class

of 1855. The incumbent must be at the time of his election a graduate of the Academical Department, of not more than three years' standing. He shall reside in New Haven, pursuing non-professional studies, and may hold the Fellowship for a period not exceeding five years.

THE BERKELEY SCHOLARSHIP, yielding about forty-six dollars a year, is awarded to the student in each Senior class who passes the best examination in the Greek Testament (Pauline Epistles), the first book of Thucydides, the first six books of Homer's Iliad, Cicero's Tusculan Questions, Tacitus (except the Annals), and Horace; provided he remain in New Haven as a graduate, one, two, or three years.

THE CLARK SCHOLARSHIP, yielding one hundred and twenty dollars a year, is awarded in each Senior Class to the applicant who has passed the best examinations in the studies of the College course; provided he remain in New Haven one or two years immediately succeeding his graduation, pursuing a course of study (not professional) under the direction of the Faculty.

THE LARNED SCHOLARSHIP, yielding three hundred dollars a year, and tenable for three years, is awarded in each Senior Class. The incumbent must reside in New Haven, pursuing a course of advanced study subject to the direction of the Faculty.

THE BRISTED SCHOLARSHIP, yielding over one hundred dollars a year, is awarded, whenever there is a vacancy, to the student in the Sophomore or Junior Class who passes the best examination in the Greek and Latin classics and mathematics. The successful candidate receives the annuity (forfeiting one-third in case of non-residence) until the end of the third year after graduation.

THE WOOLSEY SCHOLARSHIP, yielding sixty dollars a year, is awarded to the student in each Freshman Class, who passes the best examination in Latin composition (excellence in which is essential to success), in the Greek of the year, and in the solution of algebraic problems. The successful candidate receives the annuity, under certain conditions, during the four years of his College course. The student who stands second at this examination receives for one year the income of the HURLBUT SCHOLARSHIP; and the student who stands third, the income for one year of the THIRD FRESHMAN SCHOLARSHIP. The income of each of these Scholarships is sixty dollars.

THE W. W. DEFOREST SCHOLARSHIP, yielding one hundred and twenty dollars a year, is awarded to a student in each Senior Class who has attained distinction in the study of French while in College, provided he remain in New Haven the year after graduation, pursuing a further course of study in the Romance languages under the direction of the Faculty.

#### PREMIUMS.

THE DE FOREST PRIZE MEDAL, of the value of \$100, is awarded "to that scholar of the Senior Class who shall write and pronounce an English Oration in the best manner."

THE TOWNSEND PREMIUMS, five in number, of twelve dollars each, are awarded in the Senior Class for the best specimens of English Composition.

THE SENIOR MATHEMATICAL PRIZES (the first consisting of a gold medal of the value of ten dollars and of ten dollars in money, the second of ten dollars in money) are offered to the Senior class for the best solutions of problems in both abstract and concrete mathematics.

COLLEGE PREMIUMS are offered to the Senior Class for the solution of problems in Practical Astronomy.

THE WINTHROP PRIZES (one of two hundred dollars and one of one hundred dollars) are offered to the Junior Class "for the most thorough acquaintance with the Greek and Latin poets," as shown at an examination during the latter half of the second term.

COLLEGE PREMIUMS are given in the Sophomore Class for English composition, and for declamation, and in the Sophomore and Freshman Classes for the solution of mathematical problems.

THE SCOTT PRIZE for excellence in German is offered to the Senior Class, and in French to the Junior Class; these prizes are of the value of thirty dollars each, and are given in books.

BERKELEY PREMIUMS for Latin Composition are offered to the Freshman Class near the end of the year.

THE JOHN A. PORTER PRIZE, of two hundred and fifty dollars, is offered at each Commencement for the best English Essay. Any person who has been studying for a degree in any department of the University during the entire College year may compete for this prize.

## DEGREES.

The degree of BACHELOR OF ARTS is conferred by the Corporation on those persons who have completed the course of academical exercises, as appointed by law, and have been approved on examination at the end of the course as candidates for the same. Candidates are required to pay their dues to the Treasurer as early as the Monday before Commencement.

For the degrees of Master of Arts and Doctor of Philosophy, see pages 48, 50.

## SHEFFIELD SCIENTIFIC SCHOOL

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THE SHEFFIELD SCIENTIFIC SCHOOL is devoted to instruction and researches in the mathematical, physical, and natural sciences, with reference to the promotion and diffusion of science, and also to the preparation of young men for such pursuits as require especial proficiency in these departments of learning.

The School, begun in 1847, and reorganized upon a more extensive scale in 1860, received in 1863, by the act of the Connecticut Legislature, the national grant for the promotion of scientific education under the Congressional enactment of July, 1862. It thus became in consequence the "College of Agriculture and the Mechanic Arts" of Connecticut.

OFFICERS AND INSTRUCTORS—Upon the Governing Board, consisting of the professors permanently attached to the School, devolves its internal management. In addition to these, and the instructors employed during the current year (mentioned on p. 39), instruction is given in Elementary and Free-hand Drawing by Professor Niemeyer, of the Yale School of the Fine Arts.

The Board of State Visitors consists of the Governor, Lieutenant-Governor, three senior Senators, and the Secretary of the Board of Education.

The Board of Councilors, invited by the Corporation to advise and assist in the progress of the School, are as follows: Hon. J. E. ENGLISH, of New Haven; Hon. M. JEWELL, of Hartford; Hon. J. R. HAWLEY, of Hartford; Hon. O. F. WINCHESTER, of New Haven; JOSEPH E. SHEFFIELD, Esq., of New Haven; Professor J. D. DANA, of New Haven; HENRY FARNAM, Esq., of New Haven; M. DWIGHT COLLIER, M.A., of St. Louis; Hon. WILLIAM E. DODGE, of New York City.

The instruction is intended for two classes of students:—

I.—Graduates of this or of other Colleges, and other persons qualified for advanced or special scientific study.

II.—Undergraduates who desire a training, chiefly mathematical and scientific, in part linguistic and literary, for higher scientific studies, or for other occupations to which such training is suited.

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## INSTRUCTION FOR GRADUATE AND SPECIAL STUDENTS

Persons who have gone through undergraduate courses of study, here or elsewhere, may avail themselves of the facilities of the School for more special professional training in the physical sciences and their applications, gaining in one, two or three years the degree of BACHELOR OF PHILOSOPHY, or, in two additional years of Engineering study, that of CIVIL ENGINEER or DYNAMIC ENGINEER.

Or, engaging in studies of a less exclusively practical character, they may become candidates for the degree of DOCTOR OF PHILOSOPHY, under the conditions already stated (see p. 48). The instruction in such cases will be adapted to the particular needs and capacities of each student, and may be combined with that given by the graduate instructors in other departments. The list of graduate studies pursued, either wholly in the Scientific School, or conjointly with other departments, will be found on pp. 48-50.

**SPECIAL STUDENTS**—For the benefit of those who, being fully qualified, desire, to pursue particular studies without reference to the obtaining of a degree, special or irregular students are received in most of the departments of the School; not however, in the Select Course, nor in the Freshman Class.

It should be distinctly understood that these opportunities are not offered to persons who are incompetent to go on with regular courses, but are designed to aid those who have received a sufficient preliminary education elsewhere to increase their proficiency in special branches.

## INSTRUCTION FOR UNDERGRADUATE STUDENTS

**TERMS OF ADMISSION**—Candidates must be not less than fifteen years of age, and must bring satisfactory testimonials of moral character from their former instructors or other responsible persons.

For admission to the Freshman Class the student must pass a thorough examination in the following subjects:

*English Grammar*—including spelling and composition.

*History of the United States.*

*Geography.*

*Latin*—Six books of Cæsar's Commentaries, or their equivalent, and simple exercises in prose composition.

*Arithmetic*—including the Metric System of weights and measures.

*Algebra*—So much as is contained in Loomis's Treatise, up to the general theory of equations.

*Geometry*—Plane, solid, and spherical; including fundamental notions of symmetry, and examples of Loci and of Maxima and Minima of Plane Figures:—an equivalent to the nine books of Chauvenet's Treatise, or to the ten books of Loomis's Elements and the Appendix, up to the section on Transversals.

*Trigonometry*—including the analytical theory of the trigonometrical functions, and the usual formulæ; the construction and use of trigonometrical tables; and the solution of plane triangles;—so much, for example, as is contained in Wheeler's Plane Trigonometry, Boston, 1877.

In *English*, Whitney's Essentials of English Grammar (Ginn and Heath, Boston) is recommended for the examination of 1878; in the examination of 1879 it will be required.

In his preparation in GEOMETRY the candidate should, as far as practicable, have suitable exercises in proving simple theorems and solving simple problems for himself. It is important, too, that he should be accustomed to the numerical application of geometric principles, and especially to the prompt recollection and use of the elementary formulæ of mensuration. In TRIGONOMETRY he should be exercised in applying the usual formulæ to a variety of simple reductions and transformations, including the solution of trigonometrical equations. Among other works, Todhunter's "Trigonometry for Beginners" will furnish the judicious teacher much material for this class of exercises. Readiness and accuracy in trigonometrical calculations are also of prime importance to the candidate. If the use of Logarithms is postponed in his preparation till Trigonometry is taken up (which is by no means necessary or advisable), he should then have abundant applications of them to all forms of calculation occurring in ordinary practice, as well as to those appearing in the solution of triangles. Finally, in all of his calculations, he should study the art of neat, orderly, and readily intelligible arrangement.

In LATIN, in order to assure the attainment of the required proficiency, the student should have such continued training in parsing as shall make him thoroughly familiar with declensions and conjugations, and accurate and ready in the application of the rules of syntax. As an additional guarantee of the proper mastery of these grammatical elements, the requirement has been adopted of "simple exercises in prose composition." By this is meant, merely, such a course of elementary exercises in translation, orally and in writing, from English into Latin as, in connection with the systematic parsing just mentioned, shall necessitate a familiarity with grammatical forms and the leading principles of syntax, and thus render the reading of the six books of Cæsar (or their equivalent) more thorough and fruitful. Since this course of elementary exercises in translation is designed as a preparation for reading, and not as a sequel to it, it should be invariably begun at the earliest stage of the study of Latin. To avoid any misapprehension of the nature or the extent of the requirement, the following works are specifically named, among which the candidate for examination may make his own selection. These are Harkness' "Introduction to Latin Com-

position," 112 pages; Leighton's "Latin Lessons," 91 pages; Smith's "Principia Latina," Part I.; or McClintock's "First Latin Book," 83 lessons (193 pp.). Any equivalent of these may be offered from the many useful books of a similar character. A knowledge of Prosody is not required.

The requirement in Physics, previously existing, is discontinued for the present, the text-book recommended having been withdrawn by the publishers.

The examinations for admission take place at North Sheffield Hall, on Friday and Saturday, June 28, 29; and on Tuesday and Wednesday, September 10, 11, 1878. Opportunities for private examination may, in exceptional cases, be given at other times.

In 1878 an examination will also be held in Chicago (beginning on Friday, June 28, at 9 A. M.), at a place to be announced in the Chicago newspapers of the day previous.

Candidates for advanced standing in the undergraduate classes are examined, in addition to the preparatory studies, in those already pursued by the class they wish to enter. No one can be admitted as a candidate for a degree, later than at the beginning of the Senior year.

THE COURSES OF INSTRUCTION, occupying three years, are arranged to suit the requirements of various classes of students. The first year's work is the same for all; during the last two years the instruction is chiefly arranged in special courses.

The special courses most distinctly marked out are the following:—

- (a.) In Chemistry;
- (b.) In Civil Engineering;
- (c.) In Dynamic (or Mechanical) Engineering;
- (d.) In Agriculture;
- (e.) In Natural History;
- (f.) In Biology preparatory to Medical Studies;
- (g.) In studies preparatory to Mining and Metallurgy;
- (h.) In Select studies preparatory to other higher studies.

The arrangement of the studies is indicated in the annexed scheme.

## FRESHMAN YEAR—INTRODUCTORY TO ALL THE COURSES.

FIRST TERM—*German*—Whitney's Grammar and Reader. *English*—Hadley's Brief History of the English Language; Exercises in Composition. *Mathematics*—Plane Analytical Geometry. *Physics*—Atkinson's Ganot, with experimental lectures. *Chemistry*—Eliot and Storer's Manual: Laboratory practice. *Elementary Drawing*—Practical Lessons in the Art School.

SECOND TERM—*Language, Physics, Chemistry, and Drawing*—as stated above. *Mathematics*—Elements of the Theory of Numerical Approximations; Solution of Higher Numerical Equations; Methods of Interpolation; Analytical Geometry in Space; Spherical Trigonometry. *Physical Geography*—Lectures. *Botany*—Gray's Lessons, with Lectures. *Political Economy*—Elementary Lectures. *Drawing*—Orthographic Projection.

For the Junior and Senior years the students select for themselves one of the following courses:—

## (a.) IN CHEMISTRY.

## JUNIOR YEAR:

FIRST TERM—*Theoretical and Organic Chemistry*—Lectures. *Qualitative Analysis*—Fresenius. *Laboratory Practice*. *Blowpipe Analysis*. *German*. *French*.

SECOND TERM—*Laboratory Practice*—Quantitative Analysis. *Mineralogy*—Blowpipe Analysis and Determination of Species. Lectures. *French*. *German*.

## SENIOR YEAR:

FIRST TERM—*Laboratory Practice*—Volumetric and Organic Analysis. *Geology*—Dana's. *Zoology*—Lectures and Excursions. *French*.

SECOND TERM—*Laboratory Practice*—Mineral Analysis and Assaying. *Agricultural Chemistry*—Recitations and Lectures (optional). *Geology*—Dana's Manual. *Metallurgy* (optional). *Mineralogy* (optional). *French*. *Zoology*—Lectures.

## (b.) IN CIVIL ENGINEERING.

## JUNIOR YEAR:

FIRST TERM—*Mathematics*—Differential and Integral Calculus. Descriptive Geometry. *Surveying*—Field Operations. *Drawing*—Binns' Orthographic Projections. *German*. *French*.

SECOND TERM—*Mathematics*—Integral Calculus. Rational Mechanics. Descriptive Geometry. *Drawing*—Projection of Shadows and Perspective. Topographical. Warped Surfaces. *Surveying*—Topographical. *German*. *French*.

## SENIOR YEAR:

FIRST TERM—*Field Engineering*—Laying out Curves. Location of line of Railroad, with calculations of Excavation and Embankment. Hencks' Field Book for Railroad Engineers. *Civil Engineering*—Stone Cutting—with graphical problems. Mahan's Civil Engineering. *Geology*—Dana's. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *French*.

SECOND TERM—*Civil Engineering*—Resistance of Materials. Bridges and Roofs. Building Materials. Stability of Arches and Walls. *Dynamics*—Principles of Mechanism. Steam Engine. *Hydraulics*—Hydraulics and Hydraulic Motors. *Drawing*—Graphical Statics. *Astronomy*—Loomis's Astronomy, with practical problems. *Mineralogy*—continued. *Geology*—Dynamic. *French*.

## (c.) IN DYNAMIC ENGINEERING.

## JUNIOR YEAR:

FIRST TERM—Differential and Integral Calculus. Descriptive Geometry. The use of the Level, Theodolite, and Transit. Instrumental Drawing. *German*. *French*.

SECOND TERM—Integral Calculus. Rational Mechanics. Instrumental Drawing. General Theory of Motion, and Principles of Mechanism. *German*. *French*.

## SENIOR YEAR:

FIRST TERM—Principles of Mechanism. Applications of the Principles of Mechanics to Machinery. Machine Construction. Blowpipe Analysis. Resistance of Materials. Construction of roof trusses, girders, and iron bridges. Machine Drawing. *Geology*. *French*.

SECOND TERM—General principles of Heat employed as a source of power. The construction of Steam Generators. Steam Engines. Hot Air Engines. Water Engines. Water Wheels. The Construction of Water Reservoirs, and Conduits. Measurement of Water Supply. Discharge of Pipes, etc. Graphical Statics. Machine Designing. *Metallurgy*. *Geology*.

## (d.) IN AGRICULTURE.

## JUNIOR YEAR:

FIRST TERM—*Theoretical and Organic Chemistry*—Lectures. *Qualitative Analysis*—Fresenius. *Laboratory Practice*. *Blowpipe Analysis*. *German*. *French*.

SECOND TERM—*Laboratory Practice*—Quantitative Analysis. *Mineralogy*—Blowpipe Analysis and Determination of Species. *Physical Geography*—Lectures. *Botany*—Lectures. *French*. *German*.

## SENIOR YEAR:

FIRST TERM—*Agriculture*—Cultivation of the Staple Crops of the Northern States. Tree Planting and Forestry. *Agricultural Chemistry*—Johnson's. *Physiology*—Huxley's. *Geology*—Dana's. *Zoology*. *English*. *French*.

SECOND TERM—*Agriculture*—Laws of Heredity and Principles of Breeding. Lectures. *Geology*—Dana's. *Rural Economy*—History of Agriculture and Sketches of Husbandry in Foreign Countries. Systems of Husbandry. *Agricultural Chemistry*—Johnson's. *Geology*—Dana's. *Zoology*. *Botany*. *Microscopy*. *English*. *French*.

## (e.) IN NATURAL HISTORY.

(Either Geology, Mineralogy, Zoology, or Botany, may be made the principal study, some attention in each case being directed to the other three branches of Natural History.)

## JUNIOR YEAR:

FIRST TERM—*Chemistry*—Qualitative Analysis. Laboratory Practice. Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Botany*—Gray's Manual; Use of the Microscope. *German*. *French*.

SECOND TERM—*Zoology*—Laboratory Practice. Excursions (land and marine). *Botany*—Laboratory Practice. Thomé's Text-book. Excursions. *Mineralogy*—continued. *Physical Geography*. *German*. *French*.

## SENIOR YEAR:

FIRST TERM—*Geology*—Dana's. Excursions. *Zoology*—Laboratory Practice. Lectures. Excursions. *Botany*—Herbarium Studies. Excursions. *Physiology*—Huxley. *Linguistics*—Whitney's Life and Growth of Language. *French*.

SECOND TERM—*Geology*—Dana's. *Anatomy of Vertebrates*—Huxley's. *Zoology*—Laboratory Practice. Lectures. *Botany*—Herbarium Studies, especially in the Cryptogamous Orders. Botanical Literature. Essays in Descriptive Botany. *Meteorology*. *French*.

Besides the regular courses of recitation and lectures on structural and systematic Zoology and Botany, and on special subjects, students are taught to prepare, arrange, and identify collections, to make dissections, to pursue original investigations, and to describe genera and species in the language of science. For these purposes, large collections in Zoology and Palæontology belonging to the College are available, as are also the private botanical collections of Professor Eaton.

## (f.) IN BIOLOGY—PREPARATORY TO MEDICAL STUDIES.

During the Junior year, the work of this course is chiefly under the direction of the instructors in Chemistry. Especial attention is given to qualitative and quantitative analysis, in their physiological and medical bearings; and

to the preparation and study of the organic proximate elements. In Toxicology the organic and mineral poisons are carefully studied. The special studies of the Senior year are wholly biological, particular attention being paid to the elements of comparative anatomy, histology, and physiology, to structural and physiological botany, and to systematic zoology. Instruction is also given in embryology, the laws of heredity, and human parasites. The order of studies is as follows:

#### JUNIOR YEAR:

FIRST TERM—*Chemistry*—Qualitative Analysis—Fresenius'. Laboratory Practice. Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *German. French.*

SECOND TERM—*Physiological Chemistry*—Klein's Handbook. *Toxicology*—Fresenius'. Laboratory practice. Recitations. Lectures. *Botany*—Lectures, Practical Exercises in Phenogamous Plants, and Excursions. *Mineralogy*—continued. *German. French.*

#### SENIOR YEAR:

FIRST TERM—*Comparative Anatomy and Histology*—Laboratory Practice. *Physiology*—Huxley's, with Practical Exercises. *Botany*—Practical Exercises, Lectures, and Excursions. *Geology*—Dana's Manual. *Zoology*—Lectures and Excursions. *French.*

SECOND TERM—*Comparative Anatomy and Histology*—Laboratory Practice and Recitations. *Botany*—Lectures. Laboratory Practice in Cryptogamia, etc. *Geology*—Dana's Manual. *Zoology*—Lectures. *Laws of Heredity and Principles of Breeding*—Lectures. *French.*

#### (g.) IN STUDIES PREPARATORY TO MINING AND METALLURGY.

Young men desiring to become Mining Engineers, can pursue the regular course in Civil or Mechanical Engineering, and at its close can spend a fourth year in the study of metallurgical chemistry, mineralogy, etc.

#### (h.) IN THE SELECT STUDIES PREPARATORY TO OTHER HIGHER STUDIES.

##### JUNIOR YEAR:

FIRST TERM—*Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Astronomy. English*—Early English. *History*—Freeman's Outlines. *French. German.*

SECOND TERM—*Mineralogy*—Lectures. *Physical Geography*—Guyot. Lectures. *Botany*—Lectures and Excursions and Laboratory Practice. *English*—Chaucer, Shakespeare. *History*—Freeman's Outlines, with Lectures. *Political Economy*—Rogers's Manual. *German. French.*

## SENIOR YEAR:

FIRST TERM—*Geology*—Recitations and Excursions. *Zoology*—Lectures and Excursions. *Linguistics*—Whitney's Life and Growth of Language. *English*—Shakespeare. *History*—Constitutional History of the United States. Lectures. *Political Economy*—Lectures. *French*.

SECOND TERM—*Geology and Zoology*—continued. *Meteorology*. Lectures. *Political Economy*—Lectures. *English*—Shakespeare, Milton, Dryden, Pope. *History*—Political History of the United States. History of Europe since 1848. Lectures. *French*.

Exercises in English Composition are required during the entire course from all the students. The preparation of graduating theses is among the duties of the Senior Year.

Lectures on Military Science and Tactics are annually given.

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THE TERMS AND VACATIONS correspond with those of the Academical Department. (See Calendar, p. 4.)

EXPENSES—The charge for tuition is \$150 per year, payable \$55 at the beginning of the first and of the second terms, and \$40 at the middle of the second term. The special student of Chemistry has an additional charge of \$70 per annum for chemicals, and use of apparatus. He also supplies himself at his own expense with gas, flasks, crucibles, etc., the cost of which should not exceed \$10 per term. An additional charge of \$5 is annually made to each student for the use of the College Reading Room and Gymnasium.

THE FEES for graduation as BACHELOR OF PHILOSOPHY, are \$10; unless the person taking the degree is also an academical graduate when the fee is but \$5. For CIVIL or DYNAMIC ENGINEER, \$5. For DOCTOR OF PHILOSOPHY, \$10.

## DEGREES.

BACHELOR OF PHILOSOPHY—The degree of Bachelor of Philosophy is conferred on those who have completed one of the three-year courses in the SHEFFIELD SCIENTIFIC SCHOOL, and have passed the examination at its close.

CIVIL AND DYNAMIC ENGINEER—See page 51.

DOCTOR OF PHILOSOPHY—See page 48.



## SCHOOL OF THE FINE ARTS

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THE COUNCIL of this Department consists of the following *ex-officio* members:—the President of the College, the President of the National Academy of Design, the President of the New York Museum of Art, and the Director of the School, who is also the Secretary; together with four regularly appointed Councilors, Mr. HENRY FARNAM, Mr. DONALD G. MITCHELL, Mr. EDWARD E. SALISBURY, and Mr. JOHN D. WHEELER.

THE FACULTY, on whom devolves the internal management of the School, consists of the President of the College, and the Professors whose names and departments of instruction are as follows:—JOHN F. WEIR, Professor of Painting, and Director of the School; JOHN H. NIEMEYER, Professor of Drawing. FREDERIC R. HONEY, instructor in Geometry and Perspective; JOHN P. C. FOSTER, M.D., instructor in Anatomy. (The chairs of Sculpture and Architecture are unfilled.)

The School has for its end the cultivation and promotion of the Arts of Design, viz.; PAINTING, SCULPTURE, and ARCHITECTURE, both in their artistic and æsthetic aims, through practice and criticism. The aim is—

1st. To provide thorough technical instruction in the Arts of Painting, Sculpture, and Architecture.

2d. To furnish an acquaintance with all branches of learning relating to the History, Theory, and Practice of Art.

The courses of instruction provided under these heads—of Practice and Criticism—may be regarded as distinct, or correlative, embracing that practical and theoretical knowledge of art which is no less desirable for the critic than for the artist.

The course of technical instruction, covering three years, is arranged as follows:\*

\* No provision has yet been made for instruction in the departments of Sculpture and Architecture, but it is hoped that before long this will be provided.

*First Year.*

DRAWING—from the flat: from the antique: from the living model.

PERSPECTIVE—descriptive geometry: shadows and linear perspective: applications and examples.

LECTURES—the elements of form: principles of proportion.

*Second Year.*

DRAWING—technical discipline: studies from the living model.

ANATOMY—the bones and articulations of the skeleton: the muscles and movements of the body: the anatomy of external forms.

PAINTING—technical discipline: studies from casts and still-life.

*Third Year.*

PAINTING—technical practice: studies from the living model.

COMPOSITION—studies in color and chiaroscuro: design.

LECTURES—on the history, theory, and practice of art.

In the departments of Drawing and Painting the practice of the studio is based upon the study of the human form.

The course in drawing is supplemented by lectures on Form and Proportion.

The practice in painting is supplemented by lectures on Color, Chiaroscuro, and Composition.

Drawing is continued, without interruption, through the first half of the course, or until the student evinces that proficiency which will warrant advancement. Painting is continued through the remainder of the course. Students will be encouraged to remain in the School and pursue advanced studies after the three years' course is completed.

In PERSPECTIVE, instruction is given in the form of lectures; students will be required to work out the examples, or problems, and submit them for examination at the next meeting of the class. The subject has three divisions: the first is devoted to descriptive geometry and its application to projection drawing; the second to shadows and linear perspective; and the third to applications and problems. At the close of the course an examination is held, and the standing of the student determined.

In ANATOMY, instruction is likewise given in the form of lectures. This subject has also three divisions: the first is devoted to the bones and articulations of the skeleton; the second to the muscles and movements of the body; and the

third to the anatomy of external forms. Students are required to draw, in detail, the parts under discussion by the lecturer, and submit the same for examination, at the next meeting of the class. At the close of the course the relative standing of the pupils is determined by examination.

A COURSE OF PUBLIC EVENING LECTURES will be delivered in the School, during the second term.

PRIZES may be competed for, both in Drawing and Painting, at the close of the course provided in these respective departments: (in drawing, a prize of \$50 for a study from the Antique, and \$100 for an approved study from the life; in painting, corresponding prizes of equal amounts;) but the necessary qualification includes, in drawing, an approved knowledge of perspective; and in painting, a requisite acquaintance with anatomy—as provided for by the instruction given in these branches.

DIPLOMAS are only accorded to those who remain through the full course, or pass the requisite examinations. If qualified, the student may enter advanced classes at once.

THE CHARGE FOR TUITION is \$36 for three months, *in advance*; and no student will be admitted for a shorter period. Art-students are admitted *free* to all the lectures delivered in the school, whether public lectures or those in regular course; to the collections at all times; and are entitled to such privileges, under the usual restrictions, as are granted to students in the other departments of the College.

The School is open to both sexes but no student will be admitted under fifteen years of age.

THE ART LIBRARY will be opened at specified hours for the use of students.

THE COLLECTIONS embrace the "Jarves Gallery of Italian Art," numbering one hundred and twenty paintings, dating from the 11th to the 17th centuries; the "Trumbull Gallery" of original portraits and other works, by John Trumbull, numbering fifty-four pictures; a collection of portraits and works of contemporaneous art, numbering about seventy-five pictures; together with about one hundred and fifty casts and marbles, the former from many of the best productions of ancient art. The Collections are open daily for the use of students, and to the public, during the winter, from 1 to 4 P. M.; and during the summer, when a special loan exhibition is

organized, from 9 A. M. to 6 P. M. The proceeds of the exhibitions are applied to the purchase of material adapted to instruction, and to the incidental expenses of the School.

"Students' Season Tickets," at one dollar each, admitting the holders to the Exhibitions throughout the year, are furnished to students of all other departments of the College.

The Art School occupies a large and beautiful building, erected for this object by the late Augustus Russell Street, of New Haven, containing commodious galleries well adapted to the purpose of an Art Museum, and for lectures; drawing, painting, and modeling rooms, designed for the instruction of classes; also library rooms and studios.

This department of the College is open to all who desire to avail themselves of its instructions, without restrictions, save as to age and general good character. Its aim is to embrace a wide field of usefulness in connection with the knowledge and promotion of art, and to offer every facility to the student both in the way of criticism and technical discipline.

The course of study, as at present constituted, embraces only that instruction which the school is now prepared to furnish practically and efficiently: this is subject to expansion with the growth of the means at the disposal of the Faculty.

All applications for admission to the school should be made through the Director. It is particularly desirable that these applications be made before October 1st.

## DEPARTMENT OF THEOLOGY

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THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Lecturer on Church Polity and American Church History, a Professor of Hebrew Literature and Biblical Theology, a Professor of Systematic Theology, a Professor of Homiletics and the Pastoral Charge, a Professor of Ecclesiastical History, and a Professor of Sacred Literature.

THE CONDITIONS OF ADMISSION are membership in some evangelical church, or other satisfactory evidence of Christian character, and a liberal education at some College, or such other literary acquisitions as may be considered an equivalent preparation for theological studies. Students of every Christian denomination, in case they are possessed of these qualifications, are admitted.

It is expected that every student will be promptly on the ground at the beginning of the session. Rooms are assigned in the order of application, but no room will be reserved for any applicant who neglects to appear, beyond one week after the opening of the term.

COURSE OF INSTRUCTION—The regular course occupies three years, and is arranged in the following order:—

### JUNIOR YEAR :

Professor DAY will lecture on the Encyclopedia and Literature of Theology, and give instruction in Hebrew Grammar and Philology. Portions of the historical books of the Old Testament in the original will be carefully read and analyzed, and critical and exegetical dissertations presented by the class on points of special difficulty or importance.

Professor DWIGHT will give instruction in the exegetical study of the Greek New Testament. The course includes, in addition to the regular exegetical exercises, the critical investigation of the Greek text and the study of the subjects connected with the Introduction to the New Testament. Dissertations of a critical and exegetical character will, also, be prepared by the students and discussed in the presence of the class.

Professor HARRIS will lecture on Mental Philosophy with special reference to the study of Theology ; also on Natural Theology, the Evidences of Christianity, and the Inspiration of the Scriptures ; also, as incidental to these topics, on the various forms of Skepticism.

## MIDDLE YEAR :

Professor HARRIS will lecture on Systematic Theology. This course will include a full and systematic investigation of the doctrines of Christianity, and of existing questions and controversies in respect to them. The lectures are accompanied by examinations and free discussions.

Professor FISHER will lecture on General Church History, including the following topics: an historical survey of the Old or Preparatory dispensation in its relation to Christianity; the establishment and spread of Christianity (including Missions and persecutions); Ecclesiastical Polity (including the rise and rule of the Papacy, and the Reformation); and the History of Christian Life and Worship.

Professor DAY will give instruction in Biblical Theology, with special reference to the progressive stages of Divine revelation, and the doctrinal results of the modern critical study of the Bible. He will also lecture on portions of the Hebrew Scriptures, especially the poetical and prophetic books.

Professor DWIGHT will continue to give instruction by lectures and recitations, in the exegetical study of the New Testament, especially the Pauline Epistles.

Dr. BACON will lecture on American Church History.

## SENIOR YEAR :

Professor HOPPIN will lecture on Sacred Rhetoric and Homiletics, and also on Pastoral Theology, including the office, qualifications, pastoral duties, and special work of the ministry; he will also take charge of the practical exercises in Preaching, and in the criticism of the style and delivery of Sermons.

Professor FISHER will lecture upon the history of Christian Doctrine and on Symbolical Theology, and students will be aided in pursuing historical investigations for themselves.

Dr. BACON will give a series of lectures on Church polity, with special reference to the polity and discipline of the Congregational Churches.

Professor DWIGHT will lecture on some topics of special interest connected with the different books of the New Testament.

Professor DAY will read, with those who wish to prosecute the study of Syriac, the Peshito version of the New Testament.

*Optional Studies in either Year :*

Professor DAY will read, free of charge, with those students who desire to become familiar with the theological literature of Germany and have made some progress in the language, some standard work in German on Christian doctrine, with critical remarks, and references to the ablest works on special topics. The grammatical study of the language may be pursued with the classes in the Sheffield Scientific School.

Professor WHITNEY will give instruction to those who desire it in Sanskrit.

Instruction in vocal music is given gratuitously to students who desire it. (See p. 57.)

The following courses of lectures in the Academical Department may be attended, free of charge, provided that they do not interfere with the regular studies of the Seminary; on *Intellectual and Moral Philosophy*, by President PORTER; on *Natural Philosophy*, by Professor LOOMIS; on *Evolution and Cosmogony*, by Professor DANA; on *History*, by Professor WHEELER; on *Political and Social Science*, by Professor SUMNER. Students may also be admitted to the various courses of lectures in the Sheffield Scientific School. Those who intend to become Foreign Missionaries have the privilege of attending gratuitously the lectures in the Medical Department.

EXERCISES IN PUBLIC SPEAKING—There will be an exercise for all the classes, in the presence of the Faculty, once in two weeks, in the reading of the Scriptures and hymns, and in the delivery of sermons, or parts of sermons, or addresses. Every alternate week there will be a conference, designed to cultivate the power of *extemporaneous speaking*, in which the students will be called on to present their views on some subject selected by the Faculty. Weekly debates are also held by the students, in societies of their own.

Instruction in Elocution will be given by Mr. BAILEY, the Instructor in the Academical Department.

LICENSE TO PREACH—The regular time for applying for a license is at the close of the second year's study, before which time members of the Department are not allowed to preach.

PUBLIC WORSHIP—Prayers are attended every morning in the MARQUAND Chapel, with reading of the Scriptures and singing. It is optional with the student whether to connect himself with the College Church, or with one of the City Churches; but whatever may be his decision it is hoped that he will actively engage, so far as may not be inconsistent with the prosecution of his studies, in some form of City Mission, Sabbath School, or other benevolent labor, for which constant opportunities are offered.

LIBRARIES—The Reference Library of the School, containing nearly two thousand volumes in various languages, and established through the liberality of Mr. Henry Trowbridge, of New Haven, is placed in the East Divinity Hall. It is designed to furnish the students with the standard and most recent books in every branch of theological literature and those most frequently called for in the pursuit of their studies. It is open daily for consultation, and thus takes the place, for each student, of a well selected and extensive private library.

The valuable Library of Church Music, belonging to the late Dr. Lowell Mason, has been recently given to the Department by his family. This Library, which is placed in the West Divinity Hall, and is one of the largest of the kind in the country, will be open for the use of students.

The College Library, to which the students have access without charge, contains over 80,000 volumes, and is open five hours on every secular day for consultation and for the drawing of books.

The library of the College literary societies, containing over 20,000 volumes in general literature, is accessible to theological students.

**PHYSICAL EXERCISE**—The College Gymnasium is open to the students of this department at a small charge. The harbor of New Haven affords excellent facilities for boating, to those inclined to this mode of exercise.

**THE ROOMS** in the two **DIVINITY HALLS** are provided with carpets, beds, and every necessary article of furniture (except bedding). They are assigned to new students in the order of application. A few rooms have two bedrooms attached to them, but, in general, provision is made for each student to room alone. The buildings are warmed throughout by steam, and lighted by gas. Bath-rooms are placed on every floor. The buildings are thoroughly ventilated on an approved system.

**EXPENSES AND PECUNIARY AID**—Students have only to make pecuniary provision for about eight months of study annually. In the remaining four months of vacation, from May to September, they have the opportunity of engaging in Home Missionary or other labor, with remuneration for their services.

The expenses for the annual session are \$3.25 to \$4 a week for board; \$25 to \$35 for fuel and lights; and \$10 a year for care of room and other incidental expenses. There is no charge for instruction, room rent, or use of Libraries.

Students whose circumstances require it, will receive \$100 a year from the income of Scholarships and other funds belonging to the Department. Additional aid, generally to the amount of \$100 annually, but sometimes less, is afforded by the American Education Society to its beneficiaries. In special cases additional aid toward the expenses of board will be given. These means of assistance fully cover all the expenses mentioned above.

The Scholarships belonging to the Department bear respectively the names of James Hillhouse, William Leffingwell, George E. Dunham, Normand Smith, E. E. Salisbury, Thomas R. Trowbridge, Charles Atwater, Richard Borden, Samuel Holmes, Charles Nichols, Roland Mather, Noah Porter, John



DeForest, J. R. Beadle, David Root, Mary Goodman, Orin Fowler, and Edward Bull.

A Graduate Scholarship has been established in this Department, as a memorial of the late Mrs. Aurelia D. Hooker, of New Haven. It was offered for the first time to the class which entered in September, 1876, and will be assigned at graduation to that member of the class who shall be judged by the Faculty of the Department to be most worthy of it. It will be offered the second time to the class entering in 1878. The person to whom the scholarship shall be given will receive the annual income (\$700) for two years after graduation, and will be expected to pursue a course of theological study, either as a resident at the Seminary, or, in case he may prefer to do so, in Europe and Palestine.

After the close of the second year in May, students have frequent opportunities to receive remuneration for preaching in the neighboring churches.

In general it may be said, that sufficient aid will be provided for every young man who gives promise of usefulness in the ministry, to enable him, in connection with his own efforts, to complete a course of theological study.

COMMENCEMENT OF THE TERM, VACATION, ETC.—The session for 1877-78 began on Thursday, Sept. 13, and will continue till the third Thursday in May, when the public Anniversary is held. The annual examination of the classes, and the meeting of the Alumni, are held in the same week. The next annual term will begin on Thursday, September 12, 1878.

By thus throwing all the vacations into one, the most favorable season of the year is secured for study, while the opportunity is given, in the four months' vacation, to engage in some form of benevolent labor, in connection with the mission efforts of the churches, or in the service of one of the benevolent societies, by which the practical experience required of the pastor, as well as pecuniary compensation, may be obtained. Should any students prefer to spend the vacation in theological reading, the Professors will counsel them in the choice of books.

THE DEGREE of Bachelor of Divinity is conferred on all members of the Department who at the end of the Senior year pass the prescribed examination, and present an approved thesis on some topic in theology.

## DEPARTMENT OF MEDICINE

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THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Chemistry and Toxicology, a Professor of Obstetrics and the Diseases of Women and Children, a Professor of Materia Medica and Therapeutics, a Professor of Histology and Pathology, a Professor of the Theory and Practice of Medicine, a Professor of Surgery, a Professor of General and Special Anatomy, a Lecturer on Physiology, a Lecturer on Ophthalmology and Otology, a Lecturer on Insanity, and a Demonstrator of Anatomy.

The course of study is divided into two terms in each year, a Spring Term and a Winter Term.

In the Spring Term, instruction is given by recitations and lectures. In this Term the students are classified, so that those who are just entering on the study are taught during their *first* year only the more elementary branches; while the studies of the *second* year include the more practical branches. Provision is made for students attending a *third* year, to review the studies of the entire course, with the addition of such collateral branches and advanced courses of reading as the necessities or attainments of individual pupils may require. Two or more recitations are held daily.

The instruction in the Winter Term is conducted by means of Public Lectures, with daily examinations, illustrated by Hospital Instruction and Medical and Surgical Clinics, with abundant facilities for Anatomical Dissections.

While the studies of each of these terms are independent and so far complete in their parts that they may be pursued separately with profit, yet they are designed to be so related to each other, that together they make a full and rounded curriculum of proportional study. In no way can the student more easily and naturally acquire a clear and comprehensive knowledge of the medical sciences in their present advanced position, than by taking these courses in connection, and pursuing his studies at the College for the entire period of three years.

The Spring Term will begin February 14, 1878, and continue till the Annual Commencement, June 27. The Winter Term for 1878-79, being *the Sixty-sixth Annual Course of Lectures*, will begin October 3, and close January 30, 1879.

CHEMISTRY—The chemical instruction in each term is intended to supplement that given in the other. In the Winter Term, lectures, fully illustrated by experiments, are given upon General Chemistry during the first half of the term; and upon Organic and Physiological Chemistry (including the Chemistry of the urine) and Toxicology during the second half. In the Spring Term, Theoretical Chemistry is taught by recitations, and Practical Chemistry by Laboratory work. The Junior Class work in Elementary Qualitative Analysis; the Middle Class in advanced Analysis, including the examination of drugs, the urine, calculi, etc. These exercises consist of three hours' daily work. The Senior Class are taught to make original researches in Physiological Chemistry.

NORMAL AND PATHOLOGICAL HISTOLOGY is illustrated by a sufficient number of compound microscopes and a large collection of the best preparations.

CLINICS—The lectures on "Surgery" and on the "Theory and Practice of Medicine" are amply illustrated at the Clinics which are held almost daily. The Surgical and Medical Clinics and the Clinics for Eye Diseases, which are held on their respective days at the College, are still further supplemented by the facilities afforded by the New Haven Dispensary and the Clinics which are held once or twice every week at the State Hospital. In connection with the Clinics, students are made thoroughly conversant with the special methods of the expert practitioner, by having exhibited to them from day to day all the recent advances attained in special manipulations, physical explorations, and the enlightened employment of remedies. All Surgical operations are performed in the presence of the students, and every endeavor is made to familiarize them with the use of all instruments and surgical appliances.

OPHTHALMOLOGY AND OTOTOLOGY are taught by a course of practical Lectures, with Clinical Illustrations.

DISSECTING ROOMS—The spacious and well-appointed Dissecting Rooms are amply supplied with anatomical material at a reasonable charge, under the personal direction of the Demonstrator.

THE MUSEUM contains a large collection of natural and morbid specimens, numerous casts, plates, and models, of elegant execution, and an extensive Cabinet of *Materia Medica*, all of which are made practically useful in illustrating the subjects taught. The University Libraries and Collections in Natural History are also open for the use of students.

COMPARATIVE ANATOMY, ZOOLOGY, AND OTHER DEPARTMENTS COLLATERAL TO MEDICAL STUDIES—Special advantages are offered to Medical Students for the pursuit of Zoology, Comparative Anatomy, Botany, and other cognate studies, in connection with the Sheffield Scientific School.

REQUIREMENTS FOR GRADUATION—Every candidate for a degree is required to possess, in addition to a good English education, a competent knowledge of the Latin language and of the principles of Natural Philosophy; to present to the Dean, two weeks before examination, a *Thesis*, written by himself, upon some medical subject; to present a satisfactory certificate that he is twenty-one years of age, and possesses a good moral character. He must have attended two full courses of public lectures, one at least of which must have been in this Institution. He must present a satisfactory certificate from a respectable and regular practitioner of medicine that he has attended to the study of physic and surgery for three years, including the time spent in attendance upon medical lectures.\* In case he is a graduate of college his diploma is received as equivalent to a certificate of medical study for one year.

The Board of Examiners consists of the Faculty and an equal number of the Members of the Connecticut Medical Society, appointed by the President and Fellows of the same; and the President of the Society is *ex-officio* President of the Board.

Separate written examinations are required in each of the following branches:—

- |                             |                           |
|-----------------------------|---------------------------|
| 1. Chemistry.               | 6. Therapeutics.          |
| 2. Anatomy.                 | 7. Theory and Practice of |
| 3. Physiology.              | Medicine.                 |
| 4. <i>Materia Medica</i> .  | 8. Obstetrics.            |
| 5. Histology and Pathology. | 9. Surgery.               |

\* The Spring Term is counted as part of the time required for Medical Study, but *does not count* as one of the courses of Public Lectures required for Graduation.

Students who have attended two full courses of lectures on Chemistry, Anatomy, Physiology, and Materia Medica, may be examined on those subjects, at the close of any regular term; and if giving satisfactory evidence of proficiency in them, their examination shall be considered as final on those subjects, and at the end of their course they will be examined only on the other branches.

Two examinations for degrees are held annually, one at the close of the Winter Term, and the other at the close of the Spring Term, ending on the Tuesday before Commencement.

TUITION FEES, ALWAYS REQUIRED IN ADVANCE.

Matriculation Fee, paid annually,	- - - -	\$ 5.00
Course of Lectures in Winter Term,	- - - -	105.00
For the Spring Term,	- - - -	60.00
Contingent Expenses of Laboratory, Spring Term,		10.00
Demonstrator's Ticket,	- - - -	5.00
Graduation Fee,	- - - -	25.00

In the Winter Term students may take the whole or part of the lectures, at their option; fee for each Professor's ticket, \$15.

Those who have attended two full courses of lectures in this Institution, and those who have attended one full course of Lectures in this Institution and a full course in a similar Medical College, are entitled to admission to the Lectures of any future Winter Term on the payment of Five Dollars for incidental expenses. Those who have attended two full courses in any other accredited Medical College, may receive all the tickets for the Winter Term, including Matriculation, for \$50.

## DEPARTMENT OF LAW

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THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Mercantile Law and Evidence, a Professor of Elementary and Criminal Law and the Law of Real Property, a Professor of Constitutional Law, Contracts, and Wills, a Professor of Pleading and Equity Jurisprudence, and an Instructor in Public Law. Lectures are also delivered by Rev. LEONARD BACON, D.D., LL.D., on Ecclesiastical Law, Hon. ORIGEN S. SEYMOUR, LL.D., on Judicial Procedure and Practice, Hon. LAFAYETTE S. FOSTER, LL.D., on Parliamentary Law, and Methods of Legislation, Professor WAYLAND on English Constitutional Law and History, Professor ROBINSON on Medical Jurisprudence, MARK BAILEY, M.A., on Forensic Elocution, Professor BALDWIN on Roman Law and Comparative Jurisprudence, Professor PLATT on General Jurisprudence, and FREDERICK H. BETTS, M.A., on Patent Law.

TERMS AND VACATIONS—There are three terms in each year: the Fall Term, beginning on the last Thursday of September and continuing to the Thursday before Christmas; the Winter Term, beginning in January, after a vacation of three weeks, and closing the last Thursday of March; and the Spring Term, beginning on the second Thursday of April and continuing until Commencement. (See Calendar, p. 4.)

### COURSE OF INSTRUCTION

#### UNDERGRADUATE COURSE

The Undergraduate Course occupies two years, the students being divided into two classes, for each of which a special course of study is provided. The daily exercises consist of lectures and recitations from standard text-books, the latter being accompanied by oral explanations. The students are frequently referred to the leading cases on the subject under consideration, and are required to be prepared for questions upon them at the next exercise: they are also encouraged to put questions freely to the instructor at all recitations. Moot Courts are held weekly, at which one of the professors acts as judge. The students acting as counsel, in the argument of cases, are required to draw the necessary pleadings in the common law form.

Members of either Class can attend the lectures of Professors to undergraduates in other Departments of the College, whenever it is compatible with their other engagements; and, with a few exceptions only, without charge. They can also attend one or more of the special courses of graduate instruction in the Department of Philosophy and the Arts, on payment of a moderate fee. (See page 49.)

The regular curriculum of study is as follows:

#### JUNIOR YEAR.

**FALL TERM**—Recitations: Elementary Law, Prof. Robinson; Torts, Prof. Platt; International Law, Mr. Woolsey. Lectures: Nature and History of American Law, and Wills, Prof. Baldwin; Origin of Law, and Nature of Legal Authority, Prof. Robinson.

**WINTER AND SPRING TERM**—Recitations: Contracts, Prof. Baldwin; Mercantile Law, and Evidence, Prof. Wayland; Pleading, Prof. Platt; International Law, Mr. Woolsey. Lectures: English Constitutional Law, Prof. Wayland; General Jurisprudence, Prof. Platt; Forensic Elocution, Mr. Bailey; Oratory and Rhetoric, Prof. Robinson.

#### SENIOR YEAR.

**FALL TERM**—Recitations: Equity, Prof. Platt; Contracts, Prof. Robinson; Mercantile Law, Prof. Wayland. Lectures: International Law, Mr. Woolsey; Parliamentary Law and the Methods of Legislation, Judge Foster; Comparative Jurisprudence, and Roman Law, Prof. Baldwin.

**WINTER AND SPRING TERM**—Recitations: Contracts, Prof. Baldwin; Mercantile Law, Prof. Wayland; Real Property, Prof. Robinson. Lectures: Judicial Procedure and Practice, Judge Seymour; American Constitutional Law, Prof. Baldwin; Ecclesiastical Law, Dr. Bacon; Patent Law, Mr. Betts; Criminal Law, and Medical Jurisprudence, Prof. Robinson.

A course of study is also provided for those who do not intend to engage in the practice of the Law, but wish to obtain a knowledge of its principles to complete their education, or with reference to mercantile pursuits.

The principal text-books used are, in Junior year, Robinson's Notes on Elementary Law, Addison on Torts (abridged), Parsons on Contracts, Stephen on Pleading, Woolsey's Introduction to the Study of International Law, and Greenleaf on Evidence, vol. I.; in Senior year, Parsons on Contracts, Story on Equity Jurisprudence, and Washburn on Real Property.

Students are also recommended to read during their course the following works, in connection with their regular exercises: Blackstone's Commentaries, Kent's Commentaries, Smith's Leading Cases, Maine's Ancient Law, Hadley's Roman Law, and Cooley on Constitutional Limitations.

At the close of the Spring Term, each Class is subjected to a written examination on the studies of the preceding year.

## GRADUATE COURSE

The Graduate Course occupies two years, and is open to graduates from any Law School, having the degree of LL.B.; under the conditions specified on pp. 90, 91. The terms and vacations are the same as those in the undergraduate course in this department. The degree of Master of Law (M.L.) will be conferred upon examination at the close of the first year, and that of Doctor of Civil Law (D.C.L.) at the end of the second year. The curriculum for the first year is particularly designed to supplement that of the undergraduate course by affording further instruction in the branches there pursued; that of the second year is designed to meet the wants of those who aim at acquiring a thorough acquaintance with jurisprudence and its affiliated studies, as a means of completing their education, without confining themselves to such topics as are of the first necessity to the practicing lawyer.

The arrangement of the curriculum is as follows :

FOR CANDIDATES FOR THE DEGREE OF M.L.—Administration of Estates, Prof. Wayland; English Constitutional History, Prof. Wayland and Prof. Wheeler; Maritime and Admiralty Law, and Patents, Prof. Robinson; Practice in the U. S. Courts, Railroad Law, and American Constitutional History, Prof. Baldwin; General Jurisprudence, Corporations, and Procedure in States having a Civil Code, Prof. Platt; Roman Law, Mr. A. S. Wheeler; International Law, Prof. Sumner.

FOR CANDIDATES FOR THE DEGREE OF D.C.L.—Ethics, President Porter; Parliamentary Law, and Hermeneutics, Prof. Wayland; Early History of Real Property, Patent Cases, and Canon Law, Prof. Robinson; Conflict of Laws, Comparative Jurisprudence, Political History, and Roman Law, Prof. Baldwin; General Jurisprudence, and Principles of Legislation, Prof. Platt; Roman Law, Mr. A. S. Wheeler; Relations of Physical Geography to Political History, Prof. Brewer; Political Economy, Prof. Walker; Sociology, Prof. Sumner.

Among the principal text-books used, are Parsons on Maritime Law, Curtis on Patents, Desty's Federal Procedure, Pierce on American Railroad Law, Austin on Jurisprudence, Angell and Ames on Private Corporations, Dillon on Municipal Corporations, Pomeroy's Remedies and Remedial Rights, the Commentaries of Gaius, and Institutes of Justinian, and selected titles of the Pandects, Story on the Conflict of Laws, Lieber's Principles of Legal and Political Interpretation, Digby on the Early History of Landed Property, and Wharton on Private International Law.

There is one exercise daily for those pursuing each year of the graduate course, and the preparation for it, with the collateral course of reading which will be prescribed for each, the preparation of the graduating thesis, etc., will be such as to occupy the working time of the student through the year.



A knowledge of Latin will be necessary for those pursuing the studies of the last year of the course, but will not be indispensable for candidates for the degree of M.L. Students desiring to spend their whole time upon certain of the branches indicated, to the exclusion of others, will be allowed to do so, and for such, a special course of reading and examination will be marked out, in each case.

**TERMS OF ADMISSION TO UNDERGRADUATE COURSE**—Applicants for admission to the Junior Class must be at least eighteen years of age, and must produce certificates of good moral character. No student who has not taken a degree from some collegiate institution, will be admitted as a candidate for a degree, until he has passed a satisfactory examination on the outlines of the History of England, and of the United States, and the text of the Constitution of the United States. This will be conducted in writing, and the style of composition and orthography in the answers, as written, must be such as to evince a competent knowledge of English Grammar.

To entitle a person to admission to advanced standing as a member of the Senior Class, he must be at least nineteen years of age; must, if a college graduate, have studied law under a competent instructor for at least one year, or, at the law school of some college or university, for at least six months; must, if not a college graduate, have studied law under a competent instructor for at least two years, or at a law school for at least one year; and, if not an attorney at law, must pass such an examination as is required for those entering the Senior Class in the regular course, and also (unless a college graduate) such an examination as is required of applicants for admission to the Junior Class.

Applicants for admission to advanced standing who have received a collegiate degree, or have passed the preliminary examination in English studies specified above, may either attend the regular annual Junior examination, which commences the second week before Commencement, or pass a special examination, beginning on the first Saturday of the Fall Term, or on the last Thursday of February, at which it will be sufficient if they are prepared to be questioned on Kent's Commentaries, lectures first to nine inclusive, fourteen to eighteen inclusive, and twenty, twenty-one, sixty, sixty-two, and sixty-eight: Parsons on Contracts, subjects of bailments, partnerships, notes and bills, agents, executors and guardians,

corporations and artificial persons, gifts, capacity to contract, consideration and assent, sales, warranty, hiring, suretyship, telegraphs, infancy, married women, interest, marriage, construction, defences, estoppels, statute of limitation, damages and liens; Blackstone's Commentaries, Robinson's Notes on Elementary Law, Stephen on Pleading, Greenleaf on Evidence, vol. I, Woolsey's Introduction to the Study of International Law, and Addison on Torts (abridged edition).

Special students, not candidates for a degree, will be admitted to any of the exercises of the School, as heretofore, without examination.

**EXAMINATIONS**—There will be preliminary examinations of candidates for admission to the Junior Class at the opening of the Fall Term, and at no other time.

Candidates for admission to the Senior Class will be examined, as above, at the end of the Spring Term, or beginning of the Fall Term; or on the last Thursday of February.

Seniors will be examined for a degree only at the close of the Spring Term; or on the last Thursday of February, when their prescribed period of study shall mature at that time.

Examinations for degrees in the graduate course will be held only at the close of the Spring Term.

Every candidate for each degree, both in the undergraduate and graduate courses, must also submit a thesis on a given legal topic, which must be approved by the Faculty.

**LIBRARY**—The special Library of the Department, which has a permanent endowment for its support (the English Fund),\* contains over eight thousand volumes, comprising a complete collection of the English, American, and Irish Reports of judicial decisions, and an extensive collection of text-books, and works on jurisprudence and political history and philosophy. The consulting room is also supplied with the leading legal periodicals. The Library is open daily, during term time, from 8 A. M. to 12:45 P. M., and from 2 to 5:45 P. M. (with the exception of Saturday afternoon); during vacations it is not opened until 9 A. M.

The students can also draw books without charge from the general University libraries, now containing over 100,000 volumes.

\* Established by Hon. James E. English, M.A., in 1873.

**PRIZES**—The **TOWNSEND Prize**,\* of one hundred dollars, is annually awarded to that member of the Senior Class who shall write and pronounce the best oration or thesis at his graduation, at the public anniversary exercises of the Department, on the day before Commencement.

The **JEWELL Prizes**,† are annually awarded as follows: a prize of one hundred dollars to that member of the Senior class who receives the highest marks at the final examination of his class at their graduation; and a prize of fifty dollars to that member of the Junior class who shall write the best dissertation on a given legal topic.

The **BETTS Prize**,‡ of fifty dollars, is awarded to that member of the Junior class who receives the highest marks at his annual examination.

The **CIVIL LAW Prize**, of thirty dollars, is awarded for the best dissertation by a member of the Senior Class on a given topic connected with the Roman Law.

**BUILDINGS, AND FACILITIES FOR OBSERVING PRACTICE**—The School occupies an entire story of the Court House of New Haven County, having upon the same floor a lecture room accommodating two hundred students, a large library hall, a Moot Court room, an instructors' room, and other apartments furnishing every needed convenience for Law clubs and debating societies.

Two terms of the Supreme Court of Errors of Connecticut, one term of the United States Circuit Court, and two terms of the United States District Court, are held annually in New Haven; and the Superior Court and Court of Common Pleas, the principal *nisi prius* Courts of the State, are also in session almost daily, during each of the Law School terms.

**DEGREES**—In the Undergraduate course the degree of Bachelor of Laws will be conferred by the Corporation, upon the recommendation of the Faculty of the Department, based on a satisfactory examination and the submission of a satisfactory thesis, on the following persons:

1st. Attorneys at Law, who have been members of the Department for one year after their admission to the Bar.

\* Established by Hon. James M. Townsend in 1874.

† Established by Hon. Marshall Jewell, M.A., in 1871.

‡ Established by Frederic H. Betts, M.A., in 1875.

2d. Any students who have been members of the Department for not less than two years, and who passed satisfactorily the Junior Examination at the end of their first year.

3d. Students who have received the degree of Bachelor or Doctor in any of the Arts or Sciences from any incorporated College or University, and have subsequently been members of this Department for not less than eighteen months, and who passed satisfactorily an examination at the end of their first six or twelve months, on all the studies of the Junior year.

4th. Upon students who have been admitted to advanced standing as members of the Senior Class, and have remained in that Class for not less than one year.

Graduates of the Department receiving this degree are admitted to the Connecticut Bar without further examination.

In the Graduate Course the degree of Master of Law (M.L.) will be conferred by the Corporation on the recommendation of the Faculty of the Department, on persons, who, after having taken the degree of Bachelor of Laws, pursue, during at least one year, such a course of advanced studies as the Faculty may direct.

Bachelors of Laws, who also have the degree of Bachelor of Arts or of Philosophy, or who, having the degree of LL.B. from this college, ranked among the first quarter of their class in scholarship, according to their average marks at their final examination for that degree, may, after having taken the degree of M.L., apply for that of Doctor of Civil Law (D.C.L.). All applicants for the latter degree must have a good knowledge of Latin, and also of either the French or German language. The course of instruction will extend over one year after taking the master's degree, and the Faculty will recommend no one for the degree of D.C.L., who has not attained a high standard of proficiency in the studies pursued.

Neither degree will be conferred, except upon candidates who pursue their studies at New Haven, under the direction of the Faculty, pass with credit a strict final examination, and present a satisfactory thesis.

EXPENSES—The fees are the same, for tuition and use of library, in the Undergraduate and in the Graduate courses, viz.: \$40 for the Fall Term, \$30 for the Winter Term, and \$30 for the Spring Term, or \$90 for the entire annual session, to

be paid to the Treasurer of the College in advance, or secured by bond satisfactory to him : where payment is not made in advance, interest will be added. Candidates for a degree who pursue their studies beyond the minimum period of attendance required before applying for examination, will be charged only half these rates for their subsequent tuition. The diploma fee is \$5, and the Court fees for admission to the Bar are \$8. A further fee of \$5 is chargeable for admission to practice in the U. S. Courts for the District of Connecticut, if this is also desired. The tuition charges for special students, not candidates for a degree, vary in proportion to the amount of instruction and supervision required, but will never exceed those made in the regular course.

Board and lodging can be obtained at prices ranging from \$5 a week upwards.

For further particulars, inquiries may be addressed to Professor Francis Wayland, Dean of the Faculty, at New Haven, Conn.

## PEABODY MUSEUM OF NATURAL HISTORY

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### TRUSTEES.

PROFESSOR JAMES D. DANA, Ph.D., LL.D., *Chairman.*  
HIS EXCELLENCY RICHARD D. HUBBARD, LL.D., *ex-officio.*  
THE HONORABLE ROBERT C. WINTHROP, LL.D.  
PROFESSOR BENJAMIN SILLIMAN, M.D.  
PROFESSOR GEORGE J. BRUSH, M.A., *Treasurer.*  
PROFESSOR OTHNIEL C. MARSH, M.A.  
GEORGE PEABODY WETMORE, M.A.

### CURATORS.

OTHNIEL C. MARSH, M.A., *Curator of the Geological Collection.*  
ADDISON E. VERRILL, M.A., *Curator of the Zoological Collection.*  
EDWARD S. DANA, Ph.D., *Curator of the Mineralogical Collection.*

The gift of the Founder, GEORGE PEABODY, of London, was committed to the Board of Trustees, in October, 1866, "to found and maintain a Museum of Natural History, especially in the departments of Zoology, Geology, and Mineralogy, in connection with Yale College." Of the entire gift (\$150,000), \$100,000 was devoted by the donor to the erection, on land given for the purpose by the President and Fellows of the College, of a fire-proof building, planned with special reference to subsequent enlargement. Of the remainder of the gift, the sum of \$20,000 is set apart as a reserve fund for the completion of the building, and the income of \$30,000 is available for the care of the Museum and the increase of its collections.

By the accumulations from investment of the original building-fund, the first wing of the Museum is now completed, at a cost of about \$140,000, or, with the cases, \$175,000.

The basement will be used for exhibiting the collection of fossil footprints from the Connecticut valley, and for work and storerooms. The first story contains the Mineral Collection, and rooms for instruction in Mineralogy, as well as the general lecture room. The second story is entirely devoted to Geology, and the third to Zoology. In the fourth story the large south room is used for the collection in Archæology and Ethnology, and the remainder for storerooms.

So far as the collections are arranged, the Museum is open to students and the public every day in term-time.

## LIBRARIES

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THE COLLEGE LIBRARY numbers about 83,000 volumes, besides many thousand unbound pamphlets. It is designed for the use of the College officers, resident graduates, and the students of the various departments. Other persons may have the privilege of consulting the Library and drawing books, by permission of the Library Committee. The Library is open daily in term-time from 9½ A. M. to 1 P. M., and from 2½ to 5 P. M. (or, during the winter months, to 4½ P. M.)

In the same building is the LINONIAN AND BROTHERS LIBRARY, designed primarily for the use of the undergraduate students, and containing about 20,000 volumes. This library is open daily, from 1½ to 2½ P. M.; on Wednesdays and Saturdays from 10 A. M. to 12 M., and from 1½ to 4 P. M.

The Theological, Law, Medical and Scientific Schools have each a special Library, accessible to the students of those schools.

The Library of the AMERICAN ORIENTAL SOCIETY, numbering about 3,500 printed books and manuscripts, is kept in the College Library building.

### SUMMARY

College Library (exclusive of pamphlets) about	-	83,000 vols.
Linonian and Brothers Library, about	- - -	20,000 "
Libraries of the Professional Schools, about	- -	18,000 "
		<hr/>
		121,000

# APPENDIX

## APPOINTMENTS FOR COMMENCEMENT,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, JUNE 28, 1877

### ORATIONS

CHARLES C. CAMP, Valedictory Oration, <i>West Meriden</i>	
} JOHN B. ATWATER, Philosophical Oration, <i>Minneapolis, Minn.</i>	
{ JOHN S. THACHER, Salutatory Oration, <i>New Haven</i>	
J. GILPIN PYLE, Philosophical Oration, <i>Brick Meeting House, Md.</i>	
Thomas D. Goodell, <i>New Haven</i>	Cleaveland Forbes, <i>San Francisco, Cal.</i>
{ Orray T. Sherman, <i>Newburgh, N. Y.</i>	{ Webster Merrifield, <i>Williamsville, Vt.</i>
{ Alexander M. Wilcox, <i>Baltimore, Md.</i>	{ Frederick B. Percy, <i>Bath, Me.</i>
	{ Morris S. Shipley, <i>Cincinnati, O.</i>
George M. Tuttle, <i>Minneapolis, Minn.</i>	Edwin B. Goodell, <i>Ellington</i>
Arthur R. Kimball, <i>West Haven</i>	George H. Thomas, <i>Norwich</i>
Charles F. Chapin, <i>South Hadley Falls, Mass.</i>	Clarence L. Reid, <i>Chicago, Ill.</i>

### DISSERTATIONS

{ William H. Kelsey, <i>Bridgeport</i>	{ Frank E. Clark, <i>Northampton, Mass.</i>
{ Gerrit Smith, <i>Madison</i>	{ William J. Forbes, <i>Brooklyn, N. Y.</i>
{ Philip J. Wilson, <i>Millerton, N. Y.</i>	{ Frank H. Platt, <i>Owego, N. Y.</i>
	Charles C. Tyler, <i>Rome, N. Y.</i>

### DISPUTES

James B. Neal, <i>Bloomsburg, Pa.</i>	{ John Kimberly Beach, <i>New Haven</i>
Samuel Lewis Eaton, <i>Lancaster, Wisc.</i>	{ Ardon Legrand Judd, <i>Stratford</i>
Arthur H. Gulliver, <i>Norwich</i>	Timothy D. Merwin, <i>New Milford</i>
Samuel A. Fisk, <i>Northampton, Mass.</i>	
{ Gustavus Eliot, <i>North Haven</i>	Charles W. Barnes, <i>New York City</i>
{ Daniel D. Sherman, <i>Newburgh, N. Y.</i>	Elbridge C. Cooke, <i>Worcester, Mass.</i>
{ John W. Bristol, <i>New Haven</i>	{ Arthur U. Bannard, <i>Salem, N. Y.</i>
{ William P. Williams, <i>New London</i>	{ Andrew B. Van Horne, <i>Jersey City, N. Y.</i>
Henry M. Rood, <i>Natal, South Africa</i>	
Joseph H. Chandler, <i>Glencoe, Minn.</i>	

### COLLOQUIES

John E. Keeler, <i>Stamford</i>	George E. Matthews, <i>Buffalo, N. Y.</i>
{ George F. Shelton, <i>Southbury</i>	Kennedy T. Friend, <i>Pittsburgh, Pa.</i>
{ John M. Whitehead, <i>Hillsboro, Ill.</i>	
Russell Frost, <i>Delhi, N. Y.</i>	{ Eric H. Johnson, <i>Putnam</i>
James P. Davenport, <i>Brooklyn, N. Y.</i>	{ Charles S. Miller, <i>Rochester, N. Y.</i>
{ Jesse L. Case, <i>Peconic, N. Y.</i>	{ Frank W. Murray, <i>Goshen, N. Y.</i>
{ William H. Upton, <i>Portland, Oregon</i>	Frederick Rufus Sanford, <i>Waterbury</i>
Lewis E. Goodier, <i>Utica, N. Y.</i>	

The graduating class numbered one hundred and sixteen.



## APPOINTMENTS FOR JUNIOR EXHIBITION,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, MARCH 22, 1877

### ORATIONS

GEORGE L. CURTIS, *Canandaigua, N. Y.*  
CLARENCE H. KELSEY, *Bridgeport*  
GEORGE T. KNOTT, *Springfield, Mo.*  
GEORGE S. PALMER, *Montville*  
ALFRED L. RIPLEY, *Andover, Mass.*  
WILLIAM H. TAFT, *Cincinnati, O.*

William M. Aber, <i>Oswego, N. Y.</i> Harlan P. Beach, <i>South Orange, N. J.</i> Frank A. Beckwith, <i>Waterbury</i> Douglas P. Birnie, <i>Springfield, Mass.</i> Harry C. Coe, <i>New Haven</i> Stanley W. Dexter, <i>San Francisco, Cal.</i>	Burgess S. Hurtt, <i>New Haven</i> John G. Jennings, <i>Cleveland, O.</i> Charles Parsons, <i>New York City</i> Edward H. Seely, <i>Brooklyn, N. Y.</i> Charles S. Shepard, <i>Buffalo, N. Y.</i> William E. Waters, <i>Cincinnati, O.</i>
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George C. Ackerman, <i>New Haven</i> Oliver W. Brown, <i>Norwich</i> Hollis W. Cobb, <i>Shrewsbury, Mass.</i> Charles A. Feick, <i>Newark, N. J.</i> Edward W. Flagg, <i>Northboro', Mass.</i>	Edward L. Morse, <i>Poughkeepsie, N. Y.</i> Walter Squires, <i>New York City</i> Edgar H. Stone, <i>Sioux City, Iowa</i> Edward B. Whitney, <i>New Haven</i> Reynold W. Wilcox, <i>Madison</i>
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### DISSERTATIONS

Arthur P. Dana, <i>Wellesley, Mass.</i> Charles H. Dilley, <i>Watertown, N. Y.</i> Edward P. Hickox, <i>Washington</i> William K. James, <i>Hamburg, Iowa</i> James M. Lamberton, <i>Harrisburg, Pa.</i> John I. McDonald, <i>St. Joseph, Mo.</i>	Walter L. Merwin, <i>Durham</i> Philip W. Moen, <i>Worcester, Mass.</i> Lawrence H. Schwab, <i>Fordham, N. Y.</i> Benjamin R. Wendell, <i>Cazenovia, N. Y.</i> Charles P. Woodbury, <i>Norwalk</i>
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### DISPUTES

Roger S. B. Foster, <i>Boston, Mass.</i> Louis Hood, <i>Newark, N. J.</i> James B. McEwan, <i>Albany, N. Y.</i>	John N. Peet, <i>Brooklyn, N. Y.</i> Joseph A. Ticknor, <i>New Marlboro', Mass.</i>
Henry M. Hoyt, <i>Wilkes-Barre, Pa.</i> Joseph I. Tayntor, <i>Marlboro', Mass.</i> George Trowbridge, <i>New York City</i>	John Trumbull, <i>Valparaiso, Chili</i> Clarence S. Woodruff, <i>Wilkes-Barre, Pa.</i>

### COLLOQUIES

Isadore N. Bloom, <i>Louisville, Ky.</i> Charles E. Briggs, <i>Rockford, Ill.</i> George W. Burton, <i>Manchester, Vt.</i> Andrew F. Currier, <i>Poughkeepsie, N. Y.</i> Archibald A. Dersheimer, <i>Falls, Pa.</i> Albert B. Fifield, <i>Providence, R. I.</i> William T. Gilbert, <i>Brooklyn, N. Y.</i>	Carlton R. Jewett, <i>Moravia, N. Y.</i> John P. McCune, <i>Columbus, O.</i> Frank V. McDonald, <i>S. Francisco, Cal.</i> Edwin W. Smith, <i>Pittsburgh, Pa.</i> Edward W. Smith, <i>West Meriden</i> George P. Whittlesey, <i>Washington, D. C.</i>
William P. Belden, <i>New Haven</i> Walter E. Dimmick, <i>Honesdale, Pa.</i> George E. Gilbert, <i>New Haven</i> Joseph W. Hill, <i>Westport</i> Frederick B. Lathrop, <i>Tolland</i>	Clinton Spencer, <i>Suffield</i> Arthur B. Taylor, <i>Springfield, Mass.</i> Harold S. Van Buren, <i>Englewood, N. J.</i> William A. Van Buren, <i>Covington, Ky.</i>

## FELLOWS

DOUGLAS Fellow—ELISHA S. BOTTUM, B.A., Class of 1876  
SOLDIERS' Memorial Fellow—GEORGE E. BUSHNELL, B.A., Class of 1876

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BRISTED Scholar—Class of 1876—ARTHUR T. HADLEY, B.A.  
CLARK Scholar—Class of 1876—GEORGE L. STERLING, B.A.  
CLARK Scholar—Class of 1877—ALEXANDER M. WILCOX, B.A.  
LARNED Scholar—Class of 1877—ALEXANDER M. WILCOX, B.A.  
W. W. DEFOREST Scholar—Class of 1877—JOHN S. THACHER, B.A.  
WOOLSEY Scholar—Class of 1878—CLARENCE H. KELSEY  
WOOLSEY Scholar—Class of 1879—ERNEST CARTER  
WOOLSEY Scholar—Class of 1880—WILLIAM M. HALL  
HURLBUT Scholar—Class of 1880—DICKINSON W. RICHARDS  
THIRD FRESHMAN Scholar—Class of 1880—ARTHUR E. WALRADT

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## PREMIUMS AWARDED DURING THE YEAR 1876-77

### UNIVERSITY PRIZE

JOHN A. PORTER Prize—Myron H. Phelps, B.A.

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### UNDERGRADUATE ACADEMICAL DEPARTMENT

CLARK Scholarship—Class of 1877—Alexander M. Wilcox  
LARNED Scholarship—Class of 1877—Alexander M. Wilcox  
W. W. DEFOREST Scholarship—Class of 1877—John S. Thacher  
WOOLSEY Scholarship—Class of 1880—William M. Hall  
HURLBUT Scholarship—Class of 1880—Dickinson W. Richards  
THIRD FRESHMAN Scholarship—Class of 1880—Arthur E. Walradt  
DEFOREST Medal—Class of 1877—Edwin B. Goodell  
TOWNSEND Premiums for English Composition—Class of 1877—Edwin R. Dillingham, Samuel L. Eaton, Edwin B. Gager, Arthur R. Kimball, William H. Upton  
SENIOR Mathematical Prizes—Class of 1877—1st and 2d Prizes, with medal, Orray T. Sherman  
CLARK Premiums for solution of Astronomical Problems—Class of 1877—1st Prize, Henry M. Rood; 2d Prize, Orray T. Sherman.  
WINTHROP Prizes—Class of 1878—1st Prize, William E. Waters; 2d Prize, Louis Hood  
SCOTT Prize in French—Class of 1878—Rudolf Wurts  
SCOTT Prize in German—Class of 1878—

	{	George L. Curtis
	{	Clarence H. Kelsey

## COLLEGE PREMIUMS IN ENGLISH COMPOSITION

Class of 1877—1st Rank, John B. Atwater, John K. Beach, Charles C. Camp, Edwin B. Gager, Thomas D. Goodell, J. Gilpin Pyle, John S. Thacher, William H. Upton, Alexander M. Wilcox; 2d Rank, Samuel L. Eaton, Edwin B. Goodell, John E. Keeler, William H. Kelsey, Arthur R. Kimball, Webster Merrifield, Frank H. Platt

## Class of 1879—1st Term

<i>1st Prizes</i>	<i>2d Prizes</i>	<i>3d Prizes</i>
Lucien F. Burpee	Amos L. Hatheway	Louis S. DeForest
George F. Foster	George W. Kirchwey	Henry Hitchcock
Louis J. Swinburne	Malcolm M. McKenzie	Charles L. Merriam
Ambrose Tighe	Ivan M. Marty	William C. Merritt

## Class of 1879—2d Term

<i>1st Prizes</i>	<i>2d Prizes</i>	<i>3d Prizes</i>
Lucien F. Burpee	George F. Foster	Henry H. Donaldson
Amos L. Hatheway	Frank Jones	Edward S. Fowler
Louis J. Swinburne	Charles Miller	George W. Kirchwey
Ambrose Tighe	Louis D. Syle	Frederick S. Smith

## JUNIOR EXHIBITION PREMIUMS—CLASS OF 1878

1st Prize, Frank A. Beckwith; 2d Prizes, Harlan P. Beach, Harry C. Coe, George L. Curtis, Roger S. B. Foster, Louis Hood, William K. James, Edward H. Seely, William H. Taft, Edward B. Whitney

## PREMIUMS FOR DECLAMATION—CLASS OF 1879

1st Prize, Bruce S. Keator and William N. Parker; 2d Prize, William W. Bailey; 3d Prize, Henry S. Green

## PREMIUMS FOR SOLUTION OF MATHEMATICAL PROBLEMS

Class of 1879—1st Prizes, Harry Lyne, Henry J. Ten Eyck; 2d Prize, Henry C. Crouch; 3d Prize, Chun Lung

Class of 1880—1st Prize, Frank W. Hopkins; 2d Prize, William M. Hall and Dickinson W. Richards; 3d Prize, Frank Goodrich and Arthur E. Walradt

## BERKELEY PREMIUMS FOR LATIN COMPOSITION

Class of 1880—1st Prizes, John A. Amundson, William M. Hall, Edward P. Noyes, William H. Sherman, George D. White, Lawrence Wilkinson; 2d Prizes, William B. Hill, Frank W. Hopkins, Edward C. Spencer, Harry W. Taft, Arthur E. Walradt, William C. Wheeler

## SHEFFIELD SCIENTIFIC SCHOOL

## Class of 1877

- FOR EXCELLENCE IN GEOLOGY AND ZOOLOGY, the Belknap prize awarded to Henry L. Taylor, New York City.
- FOR EXCELLENCE IN ENGLISH LITERATURE, the prize divided between Joseph G. Calhoun, Hartford, and Horace C. Howard, Townshend, Vt.
- FOR EXCELLENCE IN GERMAN, the prize awarded to Henry L. Taylor, New York City.
- FOR EXCELLENCE IN FRENCH, the prize awarded to Henry L. Taylor, New York City.
- FOR EXCELLENCE IN CIVIL ENGINEERING, the prize awarded to Joseph P. Iddings, Orange, N. J.

## Class of 1878

- FOR EXCELLENCE IN THE MATHEMATICS OF JUNIOR YEAR, the prize awarded to Walter L. Cowles, Wallingford.
- FOR EXCELLENCE IN CHEMISTRY, the prize divided between Edward E. Brewster, West Cornwall, and Edward H. Smith, Brooklyn, N. Y.
- FOR EXCELLENCE IN MINERALOGY, the prize awarded to Edward E. Brewster, West Cornwall.

## Class of 1879

- FOR EXCELLENCE IN ALL THE STUDIES OF FRESHMAN YEAR, the prize divided between Lindon Bates, Chicago, Ill., and George A. Saunders, Newport, R. I.
- FOR EXCELLENCE IN GERMAN, the prize awarded to William J. Comstock, Toledo, O.
- FOR EXCELLENCE IN MATHEMATICS, the prize divided between Lindon Bates, Chicago, Ill., and George A. Saunders, Newport, R. I.
- FOR EXCELLENCE IN PHYSICS, the prize divided between George A. Saunders, Newport, R. I., and Herbert E. Smith, Hartford, with honorable mention of Albert L. Webster, Bethlehem, Pa.
- FOR EXCELLENCE IN MECHANICAL DRAWING, the prize divided between Roger C. Ballard, Louisville, Ky., and Samuel E. Barney, New Haven, with honorable mention of Lindon Bates, Chicago, Ill.

## Class of 1880

- FOR THE BEST ENTRANCE EXAMINATION, Ernest T. Liefeld, of New Haven, Conn., from the New Haven High School.

## LAW DEPARTMENT

**JEWELL PRIZE (\$50)**, to the student passing the best examination at his graduation—Hamilton Mercer Wright, B.A., New Haven.

**JEWELL PRIZE (\$50)**, for the best dissertation from a member of the Senior Class, on "The English Judicature Acts of 1872-73-74"—Charles G. Root, Waterbury.

Committee of Award: Hon. John H. Latrobe, Baltimore, Md.

Prof. John P. Poe, Baltimore, Md.

**JEWELL PRIZE (\$50)**, for the best dissertation from a member of the Junior Class, on "The Power of Courts to restrict Cross-Examination."—Henry A. James, Baltimore, Md.

Committee of Award: Samuel C. Perkins, Esq., Philadelphia.

Henry Armitt Brown, Esq., Philadelphia.

**BETTS PRIZE (\$50)**, to the member of the Junior Class receiving the highest marks at his annual examination—Burton Mansfield, PH.B., New Haven.

**TOWNSEND PRIZE (\$100)**, to the student pronouncing the best oration at his graduation—Lucius P. Deming, New Haven.

Committee of Award: Hon. John N. Kasson, Des Moines, Iowa.

Hon. Wm. W. Crapo, New Bedford, Mass.

Hon. David B. Green, Pottsville, Pa.

## HONORS\*

## Class of 1877

Hamilton M. Wright, B.A. (Jewell Prize)

Charles G. Root,

James<sup>5</sup>H. Webb, B.S.

Alfred N. Wheeler, PH.B.

Edward L. Lindsley.

## Class of 1878

Burton Mansfield, PH.B. (Betts Prize)

William F. Booth, B.A.

Oliver E. Lyman, B.A.

John C. Talcott, B.A.

Theodore K. Long.

\* This list comprises the names of the five in each class who received the highest marks at its annual examination.

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For catalogues and other information, address THE SECRETARY OF YALE COLLEGE, NEW HAVEN, CONN.

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The last edition of the Triennial Catalogue of the Graduates was published in June, 1877.

Obituary notices of deceased graduates are published annually.

All persons, who can supply information appropriate to the future editions of the Triennial Catalogue or Obituary Record, are urgently requested to communicate with the Secretary.

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The present edition of the Annual Catalogue is sent to every graduate whose address is known to the Secretary; and in future the Catalogue will be sent annually to all graduates who may express a desire to receive it, and who will furnish their addresses for the purpose.

CATALOGUE



OF THE

OFFICERS AND STUDENTS

OF

YALE COLLEGE,

With a Statement of the Course of Instruction in the  
Various Departments,

1878-79

---

NEW HAVEN:  
TUTTLE, MOREHOUSE & TAYLOR, PRINTERS  
1878





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1878

## ABBREVIATIONS

---

A.	-	-	-	-	-	-	-	Absent on leave
C.	-	-	-	-	-	-	-	Old Chapel
D.	-	-	-	-	-	-	-	Durfee College
E.	-	-	-	-	-	-	-	East Divinity Hall
F.	-	-	-	-	-	-	-	Farnam College
L.	-	-	-	-	-	-	-	Lyceum
N.	-	-	-	-	-	-	-	North College
N. M.	-	-	-	-	-	-	-	North Middle College
N. S. H.	-	-	-	-	-	-	-	North Sheffield Hall
S.	-	-	-	-	-	-	-	South College
S. H.	-	-	-	-	-	-	-	Sheffield Hall
S. M.	-	-	-	-	-	-	-	South Middle College
TR.	-	-	-	-	-	-	-	Treasury Building
W.	-	-	-	-	-	-	-	West Divinity Hall

Upon the College Square, the rooms numbered from 1 to 32 are in South College; from 33 to 64 in South Middle College; from 65 to 96 in North Middle College; from 97 to 128 in North College; from 129 to 177 in Farnam College; from 178 to 185 in the Lyceum; from 186 to 200 in the Old Chapel; from 201 to 240 in Durfee College.

The rooms in East Divinity Hall are numbered from 1 to 54; in West Divinity Hall from 55 to 124.

The rooms in Sheffield Hall are numbered from 1 to 22; in North Sheffield Hall from 28 to 58.

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HENRY C. KINGSLEY, M.A. (5 TR.) 23 Hillhouse av.

## TREASURER'S ASSISTANT

LUCIUS W. FITCH, M.A. (5 TR.) Westville

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# CALENDAR

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**1878**

12 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
26 Sept.	Thursday	Fall Term, Department of Law, begins.
3 Oct.	Thursday	Winter Term, Department of Medicine, begins.
19 Dec.	Thursday	FIRST TERM ends.

**1879.**

**Winter Vacation of three weeks.**

9 Jan.	Thursday	SECOND ACADEMICAL TERM begins.
30 Jan.	Thursday	Winter Term, Department of Medicine, ends.
13 Feb.	Thursday	Spring Term, Dep't. of Medicine, begins.
27 March	Thursday	Winter Term, Department of Law, ends.
3 April	Thursday	Junior Exhibition.
9 April	Wednesday	SPRING RECESS begins.
10 April	Thursday	Spring Term, Department of Law, begins.
16 April	Wednesday	SPRING RECESS ends.
5 May	Monday	Bristed Scholarship Examination.
6 May	Tuesday	Berkeley Scholarship Examination.
13, 14 May	Tuesd., Wedn.	Annual Examination, Dep't of Theology.
15 May	Thursday	Anniversary, Department of Theology.
19 May	Monday	Woolsey Scholarship Examination begins.
19 May	Monday	Winthrop Prize Examination.
20 June	Friday	DeForest Prize Speaking.
22 June	Sunday	Baccalaureate Sermon.
23 June	Monday	Anniversary of the Department of Medicine.
24 June	Tuesday	Anniversary of the Sheffield Scientific School.
24 June	Tuesday	Presentation for Degrees, Acad. Department.
25 June	Wednesday	Anniversary of the Society of Alumni.
25 June	Wednesday	Anniversary of the Department of Law.
26 June	Thursday	COMMENCEMENT.
27, 28, 30 } June }	Fri., Sat., Mon.	Examination for admission to the Academic Department.
27, 28 June	Friday, Sat.	Examination for admission to the Sheffield Scientific School.

**Summer Vacation of eleven weeks.**

9, 10 Sept.	Tuesd., Wedn.	Examination for admission.
11 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
25 Sept.	Thursday	Fall Term, Department of Law, begins.
18 Dec.	Thursday	FIRST TERM ends.

## FACULTY AND INSTRUCTORS

---

- Rev. NOAH PORTER, D.D., LL.D.  
*PRESIDENT, and Clark Professor of Moral Philosophy  
and Metaphysics* (7 TR.) 31 Hillhouse av.
- 
- Kent Professor of Law*
- Rev. LEONARD BACON, D.D., LL.D.  
*Lecturer on Church Polity and American Church  
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*and their relation to the Old Testament*  
PROF. LEONARD J. SANFORD, M.D., *on the Preservation of Health*

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## SUMMARY.

RESIDENT LICENTIATES,	5
SENIOR CLASS,	20
MIDDLE CLASS,	23
JUNIOR CLASS,	19
TOTAL,	67

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		SENIORS, 25

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JUNIORS, 35

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Frederic Henry Crafts, M.A. } Dartmouth College }	<i>Uncasville</i>	35 High st.
Frederic Perkins Dewey, PH.B.	<i>Hartford</i>	87 Olive st.
George Washington Dungan, B.A. } Iowa College }	<i>Oskaloosa, Iowa</i>	200 Elm st.
William Ely, PH.B. } Brown University }	<i>Providence, R. I.</i>	35 Hillhouse av.
Augustus James Emery, PH.B.	<i>Bangor, Me.</i>	675 Chapel st.
Edward Hopkins Jenkins, B.A.	<i>New Haven</i>	206 York st.
Clarence Hill Kelsey, B.A.	<i>Bridgeport</i>	124 W.
John Kendrick, B.A.	<i>Wallingford</i>	22 Trumbull st.
Joseph Frederick Klein, D.E.	<i>New Haven</i>	86 Nichols st.
George Tapscott Knott, B.A.	<i>Springfield, Mo.</i>	124 W.
William H. MacCarthy, B.A. } Lehigh University }	<i>New Haven</i>	17 Wooster pl.
Nawokichi Matsui, PH.B. } Columbia College }	<i>Tokio, Japan</i>	59 Wall st.
James Boyd Neal, B.A.	<i>Bloomsburg, Pa.</i>	6 Library st.
Lanman James Nettleton, B.A. } Oberlin College }	<i>Oberlin, O.</i>	30 E.
Samuel Lewis Penfield, PH.B.	<i>Catskill, N. Y.</i>	14 S. H.
Richard Rathbun, } Cornell University }	<i>Buffalo, N. Y.</i>	N. S. H.
Alfred Lawrence Ripley, B.A.	<i>Andover, Mass.</i>	123 W.
Edward Hubbard Russell, PH.B.	<i>New Haven</i>	19 Wooster pl.
William Thompson Sedgwick, PH.B.	<i>Farmington</i>	14 S. H.

Charles Herbert Shaw, B.A.	<i>New York City</i>	98 w.
Edward Naman Sheppard, B.A.	<i>New Haven</i>	150 Crown st.
Nagatane Soma, LL.B. }	<i>Japan</i>	201 Orange st.
Columbia College }		
Inajiro Taneka Tajiri, B.A.	<i>Kagoshima, Japan</i>	59 Wall st.
Benjamin Thaw, B.A. }	<i>Pittsburgh, Pa.</i>	171 Crown st.
Western Univ. of Pa. }		
John Trumbull, B.A.	<i>Valparaiso, Chili</i>	124 High st.
William Everett Waters, B.A.	<i>Cincinnati, O.</i>	6 Library st.
Horace Lemuel Wells, PH.B.	<i>New Britain</i>	47 N. S. H.
Alexander Martin Wilcox, B.A.	<i>Baltimore, Md.</i>	36 High st.
Marion Wilcox, B.A.	<i>New Haven</i>	15 York sq.
Samuel W. Williston, B.A. }	<i>Manhattan, Kan.</i>	92 High st.
Kansas Agric. College }		
Edmund Beecher Wilson, PH.B.	<i>Geneva, Ill.</i>	523 Chapel st.

GRADUATES, 45

## SPECIAL STUDENT, NOT CANDIDATE FOR A DEGREE

Macgrane Coxe	<i>Huntsville, Ala.</i>	107 York st.
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## UNDERGRADUATE ACADEMICAL DEPARTMENT

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### FACULTY

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ANDREW W. PHILLIPS, Ph.D.

EDWARD D. ROBBINS, B.A.

ALFRED B. THACHER, B.A.

EDMUND ZACHER, LL.B.

## SENIOR CLASS

Charles Francis Aldrich	<i>Worcester, Mass.</i>	146 F.
Otis Elihu Atwater	<i>Brattleboro, Vt.</i>	1 S.
Hugh Dudley Auchincloss	<i>New York City</i>	147 F.
William Ward Bailey	<i>New Haven</i>	150 F.
Ralph Barker	<i>New York City</i>	146 F.
Thomas Rossiter Barnum	<i>New Haven</i>	144 Humphrey st.
Augustus Wood Bell, Jr.	<i>Morristown, N. Y.</i>	48 College st.
Poultney Bigelow	<i>Highland Falls, N. Y.</i>	238 D.
Edward Tyler Blair	<i>Chicago, Ill.</i>	223 D.
Louis Norman Booth	<i>Bridgeport</i>	2 S.
Edward Augustus Bowers	<i>New Haven</i>	132 F.
Lloyd Wheaton Bowers	<i>Elizabeth, N. Y.</i>	132 F.
Lorenzo Cary Brooks	<i>Chicago, Ill.</i>	162 F.
William Livingston Bruen	<i>New York City</i>	11 S.
Harry Austin Buffum	<i>Great Falls, N. H.</i>	156 F.
Jonathan Bulkley	<i>Brooklyn, N. Y.</i>	225 D.
Lucien Francis Burpee	<i>Rockville</i>	157 F.
Henry Allen Bushnell	<i>Old Saybrook</i>	30 S.
Augustus Stiles Carrier	<i>Erie, Pa.</i>	85 Olive st.
Ernest Carter	<i>Chicago, Ill.</i>	215 D.
Elie Stacey Charlier	<i>New York City</i>	2 S.
Chun Lung	<i>Hien Shang, China</i>	27 Temple st.
Aaron Van Schaick Cochrane	<i>Coxsackie, N. Y.</i>	30 S.
Oliver Turnbull Crane	<i>Morristown, N. Y.</i>	134 F.
Henry Cooper Crouch	<i>Kingston, N. Y.</i>	131 F.
John William Curtiss	<i>Watertown</i>	145 F.
Julian Wheeler Curtiss	<i>Fairfield</i>	145 F.
David Daggett	<i>New Haven</i>	60 Wall st.
Louis Shepard DeForest	<i>New Haven</i>	19 Compton st.
Henry Herbert Donaldson	<i>Stockbridge, Mass.</i>	229 D.
James Webster Eaton	<i>Albany, N. Y.</i>	134 F.
Newell Avery Eddy	<i>Bangor, Me.</i>	211 D.
Gerard Morris Edwards	<i>New York City</i>	8 S.
John Villiers Farwell, Jr.	<i>Chicago, Ill.</i>	223 D.
David Fleischman	<i>Albany, N. Y.</i>	167 F.
Samuel Peters Fosdick	<i>Stamford</i>	144 F.
George Forris Foster	<i>Grand Rapids, Mich.</i>	225 D.
Samuel Monell Foster	<i>Newburgh, N. Y.</i>	152 F.
Edward Stacy Fowler	<i>Cambridge, Mass.</i>	7 S.
John Milton Fox	<i>Salem</i>	15 S.
John Lester Franklin	<i>New Haven</i>	106 N.
Henry Sherwood Green	<i>New Milford</i>	14 S.
Robert Ryers Griswold	<i>Binghamton, N. Y.</i>	12 S.
Otis Clay Hadley	<i>Danville, Ind.</i>	226 D.
Amos Lawrence Hatheway	<i>Willimantic</i>	12 S.

William Whitney Hawkes	<i>New Haven</i>	65 Martin st.
Howard Wortley Hayes	<i>Newark, N. J.</i>	24 S.
Edwin Cooper Haynie	<i>Springfield, Ill.</i>	222 D.
John Jacob Hill	<i>Pittsburgh, Pa.</i>	133 F.
James William Hillhouse	<i>Montville</i>	27 S.
Henry Hitchcock	<i>St. Louis, Mo.</i>	215 D.
Louis Howland	<i>Indianapolis, Ind.</i>	149 F.
Frank Eldridge Hyde	<i>Hartford</i>	226 D.
Lewis Huntington Hyde	<i>Norwich</i>	219 D.
Walter Belknap James	<i>Baltimore, Md.</i>	221 D.
Frank Jones	<i>Kansas City, Mo.</i>	127 Ward st.
Elisha Brooks Joyce	<i>New York City</i>	135 F.
George Morrill Kimball	<i>Concord, N. H.</i>	212 D.
Samuel Ayer Kimball	<i>Bath, Me.</i>	208 D.
George Washington Kirchwey	<i>Albany, N. Y.</i>	139 F.
Gilbert Dimock Lamb	<i>Franklin</i>	1 S.
Charles Henry Leete	<i>Potsdam, N. Y.</i>	140 F.
George Lester Lewis	<i>Buffalo, N. Y.</i>	140 F.
George Sigmund Linde	<i>New Haven</i>	135 Congress av.
Charles Herbert Livermore	<i>Fair Haven</i>	22 S.
Edmund Pendleton Livingston	<i>New York City</i>	144 F.
Harry Lyne	<i>Augusta, Ill.</i>	131 F.
George Lodowick McAlpine	<i>New York City</i>	432 Chapel st.
Hugh Copeland McCord	<i>Bridgeport</i>	208 D.
Malcolm McIvor McKenzie	<i>New Haven</i>	244 Orchard st.
Henry Hubbell McNair	<i>Lima, N. Y.</i>	32 S.
Henry Maltzberger	<i>Reading, Pa.</i>	9 S.
Frank Wanzer Marsh	<i>New Milford</i>	7 S.
Thomas Brunton Marston	<i>Chicago, Ill.</i>	135 F.
Ivan Matthias Marty	<i>Kansas City, Mo.</i>	148 F.
Charles Loveland Merriam	<i>West Meriden</i>	17 S.
William Carter Merritt	<i>Oakland, Cal.</i>	181 L.
Charles Miller	<i>Williston, Vt.</i>	16 S.
George Douglas Munson	<i>Wallingford</i>	22 S.
Robert Hallam Munson	<i>Williamsport, Pa.</i>	6 S.
Howard Dunlap Newton	<i>Norwich, N. Y.</i>	212 D.
Edgar Barlow Nichols	<i>Easton</i>	31 S.
Edward McArthur Noyes	<i>Woodbury</i>	18 S.
William Newton Parker	<i>New Haven</i>	229 D.
Charles Booth Peck	<i>Bridgeport</i>	3 S.
Isaac Peck	<i>Flushing, N. Y.</i>	149 F.
Charles Rollin Pence	<i>Peru, Ind.</i>	151 F.
William Warner Penfield	<i>New Rochelle, N. Y.</i>	234 D.
John Orlando Perrin	<i>La Fayette, Ind.</i>	228 D.
Lewis Alfred Platt	<i>Waterbury</i>	10 S.
Adrian Suydam Polhemus	<i>Astoria, N. Y.</i>	13 S.
Thomas Edward Rochfort	<i>New Haven</i>	6 S.
Robert Simpson Rodman	<i>Rock Island, Ill.</i>	13 S.

Henry Lincoln Rowland	<i>Southport</i>	29 S.
Henry Chauncey Savage	<i>Philadelphia, Pa.</i>	464 Chapel st.
William Graydon Seeley	<i>Brooklyn, N. Y.</i>	228 D.
Severyn Bruyn Sharpe	<i>Kingston, N. Y.</i>	233 D.
Albert William Shaw	<i>Buffalo, N. Y.</i>	101 N.
John Woodruff Shepard	<i>Hartford</i>	31 S.
Frederic Thomas Simpson	<i>Bath, Me.</i>	18 S.
Frederick Sumner Smith	<i>New Haven</i>	78 Trumbull st.
George Waldo Flint Smith	<i>Potsdam, N. Y.</i>	15 S.
William Henry Smith	<i>Brooklyn, N. Y.</i>	156 F.
Alpheus Henry Snow	<i>Hartford</i>	219 D.
John George Christopher Sonn	<i>Newark, N. J.</i>	106 N.
Edward Southworth	<i>West Springfield, Mass.</i>	23 S.
Louis Lee Stanton	<i>New York City</i>	230 D.
Thomas Wells Stiles	<i>New Haven</i>	221 D.
Frederic Abbot Stokes	<i>Detroit, Mich.</i>	28 S.
Willis Edson Story	<i>Milwaukee, Wisc.</i>	209 D.
Delevan Sumner Sweet	<i>Phanix, N. Y.</i>	32 S.
Louis Judson Swinburne	<i>Albany, N. Y.</i>	238 D.
Louis DuPont Syle	<i>Baltimore, Md.</i>	139 F.
Henry James TenEyck	<i>Albany, N. Y.</i>	230 D.
Arthur Hutchinson Terry	<i>Southold, N. Y.</i>	10 S.
John Taylor Terry	<i>Irvington, N. Y.</i>	155 F.
Oliver David Thompson	<i>Butler, Pa.</i>	211 D.
Ambrose Tighe	<i>Brooklyn, N. Y.</i>	28 S.
James Duncan Torreyson	<i>Carson City, Nev.</i>	147 F.
Winston John Trowbridge	<i>New Haven</i>	25 S.
Otis Harvey Waldo	<i>Milwaukee, Wisc.</i>	209 D.
George Dutton Watrous	<i>New Haven</i>	25 S.
Benjamin Webster	<i>Staten Island, N. Y.</i>	154 F.
John Theodore Wentworth	<i>Racine, Wisc.</i>	151 F.
Holland Stratford Whiting	<i>New York City</i>	234 D.
Harry Kellogg Willard	<i>Washington, D. C.</i>	152 F.
Samuel Porter Willard	<i>Colchester</i>	16 S.
Frederick Wells Williams	<i>New Haven</i>	39 College st.
John Eastman Wilson	<i>Rockville</i>	162 F.
Mardon Dewees Wilson	<i>Philadelphia, Pa.</i>	148 George st.
Mountford Samuel Wilson	<i>San Francisco, Cal.</i>	154 F.
Stephen C. Wood	<i>New York City</i>	157 F.

SENIORS, 132

## JUNIOR CLASS

Edwin Morgan Adee	<i>Westchester, N. Y.</i>	A.
Henry Wilbur Aiken	<i>Millbury, Mass.</i>	74 N. M.
William Lafayette Allen, Jr.	<i>Brooklyn, N. Y.</i>	165 F.
William Palmer Allen	<i>Auburn, N. Y.</i>	464 Chapel st.
John Arnold Amundson	<i>Rochester, Minn.</i>	129 F.
Wilmore Anway	<i>Florida, N. Y.</i>	69 N. M.
William Cooper Asay	<i>Chicago, Ill.</i>	4 S.
Cecil Kent Austin	<i>Philadelphia, Pa.</i>	26 S.
Frank Hamilton Ayer	<i>Nashua, N. H.</i>	203 D.
William Ransom Barbour	<i>New Haven</i>	201 D.
Charles Platt Barker	<i>Brooklyn, N. Y.</i>	85 N. M.
William DeLuce Barnes	<i>Brooklyn, N. Y.</i>	113 College st.
John Dowd Bassett	<i>New Haven</i>	176 F.
Willis Benner	<i>Astoria, N. Y.</i>	174 F.
Edward Manross Bentley	<i>Ellenville, N. Y.</i>	69 N. M.
Conrad Berens	<i>Philadelphia, Pa.</i>	119 N.
William Darius Bishop, Jr.	<i>Bridgeport</i>	204 D.
Charles Franklin Bliss	<i>New Haven</i>	159 F.
William Bishop Boomer	<i>Chicago, Ill.</i>	124 N.
Frank Wilson Booth	<i>Bennington, Vt.</i>	65 N. M.
Frederick Brooks	<i>New York City</i>	169 F.
George Artemas Brown	<i>Barre, Mass.</i>	239 D.
Walter Hull Buell	<i>Madison</i>	104 N.
John Edward Bushnell	<i>Old Saybrook</i>	104 N.
George Whitfield Butts	<i>Providence, R. I.</i>	232 D.
Walter Chauncey Camp	<i>New Haven</i>	232 D.
Donald Yorke Campbell	<i>Oakland, Cal.</i>	222 D.
Frank Parker Chamberlain	<i>New York City</i>	164 F.
Walter Henry Chapin	<i>Agawam, Mass.</i>	3 S.
Irving Hall Chase	<i>Waterbury</i>	158 F.
George Henry Clark, Jr.	<i>Hartford</i>	206 D.
Frank Beach Curtis	<i>Birmingham</i>	65 N. M.
William Gibbons Daggett	<i>New Haven</i>	163 F.
Elias Wyman Davis	<i>Worcester, Mass.</i>	143 F.
William Emery Decrow	<i>Bangor, Me.</i>	96 Dwight st.
Arthur Cushing Dill	<i>New Haven</i>	118 N.
John Marshall Douglas	<i>Chicago, Ill.</i>	213 D.
Andrew Penrose Lusk Dull	<i>Harrisburg, Pa.</i>	168 F.
Asa John Farwell	<i>Hartford</i>	177 F.
Walter Bixby Ferguson	<i>North Dixmont, Me.</i>	36 High st.
Peter Flint	<i>Port Henry, N. Y.</i>	85 N. M.
Roscoe Rush Giltner	<i>Portland, Oregon</i>	97 N.
Frank Goodrich	<i>Auburn, N. Y.</i>	143 F.
Nathaniel Gordon	<i>Exeter, N. H.</i>	107 N.
Henry Lee Gower	<i>New Haven</i>	309 Orange st.

Edmund Frank Green	<i>Oakland, Cal.</i>	210 D.
Charles Willard Haines	<i>Colchester</i>	1 TR.
Edwin Cæsar Malan Hall	<i>Fair Haven</i>	183 L.
William Montague Hall	<i>Ashfield, Mass.</i>	129 F.
John Slosson Harding	<i>Wilkes Barre, Pa.</i>	173 F.
William Hudson Harper	<i>Washington, D. C.</i>	235 D.
William Thorn Haviland	<i>Bridgeport</i>	204 D.
John Philip Helfenstein	<i>Shamokin, Pa.</i>	141 F.
Alfred Edwards Hooker	<i>New Haven</i>	163 F.
Charles Adams Holbrook	<i>North Auburn, Me.</i>	191 Temple st.
Frank Whetstone Hopkins	<i>Cincinnati, O.</i>	231 D.
John Tomlinson Hubbard	<i>Litchfield</i>	214 D.
William Colburne Husted	<i>Brooklyn, N. Y.</i>	94 York st.
William Forrest Hutchison	<i>Norwich</i>	227 D.
William Reynolds Innis	<i>Poughkeepsie, N. Y.</i>	201 D.
Walter Jennings	<i>Fairfield</i>	169 F.
Frederic William Keator	<i>Moline, Ill.</i>	130 F.
Dana William Kellogg	<i>Hartford</i>	227 D.
William Swift Keyser	<i>Milton, Fla.</i>	489 Chapel st.
Preston King	<i>Minneapolis, Minn.</i>	231 D.
Edward Weston Knevals	<i>Fordham, N. Y.</i>	158 F.
Samuel Waldron Lambert	<i>New York City</i>	159 F.
David Charles Lines	<i>New Haven</i>	174 F.
Wilson Cary McHenry	<i>Baltimore, Md.</i>	217 D.
Robert DeLosse Martin	<i>Tiffin, O.</i>	224 D.
Remsen Varick Messler	<i>Pittsburgh, Pa.</i>	489 Chapel st.
James Stetson Metcalfe	<i>Buffalo, N. Y.</i>	A.
Simon Charles Metzger	<i>New Haven</i>	17 Grove st.
Frederick Stillman Morrison	<i>Holyoke, Mass.</i>	108 N.
Thomas Robert Morrow	<i>Hartford</i>	103 N.
William D. Murray	<i>Plainfield, N. J.</i>	172 F.
John James Nairn	<i>Washington, D. C.</i>	138 F.
James Edward Newcomb	<i>New London</i>	165 F.
Alfred Bull Nichols	<i>New Haven</i>	130 F.
Edward Parish Noyes	<i>Wilmington, Mass.</i>	161 F.
Henry Choate Ordway	<i>Hampstead, N. H.</i>	239 D.
Norris Galpin Osborn	<i>New Haven</i>	203 D.
John Marshall Otis	<i>Newtown</i>	80 Prince st.
Wilbur Parker	<i>Cleveland, O.</i>	166 F.
Sidney Catlin Partridge	<i>Brooklyn, N. Y.</i>	124 N.
LeRoy Bliss Peckham	<i>Lebanon</i>	142 F.
William Allison Peters	<i>Wilkes Barre, Pa.</i>	173 F.
Smith Franklin Phillips	<i>East Chatham, N. Y.</i>	108 N.
John Bliss Porter	<i>Coventry</i>	235 D.
William Ansel Purington	<i>Fairfield, Me.</i>	36 High st.
William Russell Purple	<i>Springfield, Mass.</i>	76 N. M.
Charles Newton Ransom	<i>Colchester</i>	1 TR.
Horatio McLeod Reynolds	<i>New Haven</i>	196 Crown st.

Dickinson Woodruff Richards	<i>Litchfield</i>	214 D.
Charles Henry Richardson	<i>Groton, Mass.</i>	142 F.
Alphonso Paine Sawyer	<i>Millbury, Mass.</i>	74 N. M.
Doremus Scudder	<i>Brooklyn, N. Y.</i>	237 D.
Jay Webber Seaver	<i>Craftsbury, Vt.</i>	76 N. M.
Robert William Selden	<i>Brandon, Vt.</i>	73 N. M.
Samuel Swanton Sewall	<i>Bath, Me.</i>	206 D.
John Foster Shepley	<i>St. Louis, Mo.</i>	168 F.
Charles Langdon Sherman	<i>Castleton, Vt.</i>	161 F.
William Hazard Sherman	<i>Providence, R. I.</i>	73 N. M.
Frederick Platt Skinner	<i>Owego, N. Y.</i>	113 N.
Charles Robert Smith	<i>Green Spring, O.</i>	210 D.
Frederic Morse Smith	<i>Hartford</i>	123 N.
Grant Alexander Smith	<i>Milwaukee, Wisc.</i>	216 D.
Edward Curran Spencer	<i>St. Paul, Minn.</i>	166 F.
Frank Otho Spencer	<i>Cleveland, O.</i>	202 D.
Presley Spruance	<i>Wilmington, Del.</i>	26 S.
Max Stern	<i>Hartford</i>	103 N.
Harry Waters Taft	<i>Cincinnati, O.</i>	218 D.
John Butler Coles Tappan	<i>Glen Cove, N. Y.</i>	175 F.
Frederick Charles Train	<i>Pomeroy, O.</i>	220 D.
Henry Trowbridge, Jr.	<i>New Haven</i>	160 F.
Stephen Trumbull	<i>Valparaiso, Chili</i>	74 High st.
Eugene Winston Walker	<i>Richmond, Ky.</i>	217 D.
Wirt Dexter Walker	<i>Chicago, Ill.</i>	213 D.
Arthur Eugene Walradt	<i>Chester, Mass.</i>	164 F.
Paul Walton	<i>Ridgewood, N. Y.</i>	202 D.
Edwin Carrington Ward	<i>Farmington</i>	177 F.
James Herbert Watson	<i>Brooklyn, N. Y.</i>	237 D.
David Collin Wells	<i>Fayetteville, N. Y.</i>	224 D.
TenEyck Wendell	<i>Cazenovia, N. Y.</i>	220 D.
Frank Henry Wheeler	<i>Fair Haven</i>	27 S.
Wilson Curtiss Wheeler	<i>New Haven</i>	105 Dwight st.
George Dana White	<i>New York City</i>	3 S.
Heman Charles Whittlesey	<i>Newington</i>	123 N.
Lawrence Wilkinson	<i>Greenwich</i>	176 F.
Walter Crafts Witherbee	<i>New York City</i>	218 D.
John Francis Woodhull	<i>Groton</i>	183 L.
Timothy Lester Woodruff	<i>Brooklyn, N. Y.</i>	138 F.
Frank Alexander Wright	<i>Goshen, N. Y.</i>	4 S.
Charles Pemberton Wurts, Jr.	<i>New Haven</i>	113 N.

JUNIORS, 134

## SOPHOMORE CLASS

Frederic Adler	<i>Milwaukee, Wisc.</i>	120 W.
Edwin Edgerton Aiken	<i>Rutland, Vt.</i>	192 C.
Benjamin Wisner Bacon	<i>Norwich</i>	247 Church st.
John Hampton Barnes	<i>Pittsburgh, Pa.</i>	43 S. M.
Danford Newton Barney	<i>Farmington</i>	68 W.
Philip Golden Bartlett	<i>Washington, D. C.</i>	101 W.
Albert Butler Beadle	<i>Philadelphia, Pa.</i>	59 S. M.
Russell Anson Bigelow	<i>West Brattleboro', Vt.</i>	40 Sylvan av.
Arthur Elmore Bostwick	<i>Litchfield</i>	116 N.
John Eliot Bowen	<i>Brooklyn, N. Y.</i>	101 W.
Edward Paul Brandt	<i>Farmington</i>	82 N. M.
William James Brewster	<i>Birmingham</i>	523 Chapel st.
William Joseph Brewster	<i>New Haven</i>	100 W.
Walter Ray Bridgman	<i>Syracuse, N. Y.</i>	191 C.
Otis Hayford Briggs	<i>Auburn, Me.</i>	189 C.
Isaac Bromley	<i>New Haven</i>	218 Orange st.
Herbert Stanley Brown	<i>South Norwalk</i>	146 College st.
Joseph Dunn Burrell	<i>Freeport, Ill.</i>	191 C.
Daniel Arthur Carpenter	<i>Afton, N. Y.</i>	116 N.
Clarence Franklin Carroll	<i>New Haven</i>	109 York st.
William Churchill	<i>Mont Clair, N. J.</i>	68 N. M.
Harry Quinton Cleneay	<i>Cincinnati, O.</i>	42 S. M.
Charles Porter Coffin	<i>Batavia, Ill.</i>	194 C.
John Caldwell Coleman	<i>New York City</i>	186 C.
John Burnett Collins	<i>St. Joseph, Mo.</i>	40 S. M.
Howard Junior Curtiss	<i>Stratford</i>	187 C.
Frederick Orren Darling	<i>New York City</i>	57 S. M.
Julius Barnes Day	<i>Bridgeport</i>	193 C.
Joseph Benjamin Dimmick	<i>Honesdale, Pa.</i>	46 S. M.
Ephraim Williams Dixon	<i>Brooklyn, N. Y.</i>	45 S. M.
John Mowe Drysdale	<i>West Meriden</i>	17 S.
Henry Strong Durand	<i>Rochester, N. Y.</i>	251 Church st.
John Stewart Durand	<i>Rochester, N. Y.</i>	251 Church st.
Charles Abbott Schneider Dwight	<i>Englewood, N. J.</i>	186 C.
Waldo Chapin Eames	<i>Providence, R. I.</i>	42 S. M.
Levi Abraham Eliel	<i>Chicago, Ill.</i>	43 College st.
James Richard Ely	<i>New York City</i>	71 W.
Cyrus Emery	<i>New Haven</i>	66 N. M.
Edward Thomas Evans	<i>Pittsburgh, Pa.</i>	85 Court st.
Sherman Evarts	<i>New York City</i>	71 W.
Harry Rupert Ewing	<i>Pittsburgh, Pa.</i>	65 W.
Frank Miller Fargo	<i>Chicago, Ill.</i>	114 N.
Paul James Fenn	<i>New Haven</i>	174 Orange st.
George Park Fisher, Jr.	<i>New Haven</i>	27 Hillhouse av.
Nathaniel Campbell Fisher	<i>New York City</i>	201 Orange st.



Grant Fitch	<i>Milwaukee, Wisc.</i>	38 s. m.
Robert Wasson Forbes, Jr.	<i>Brooklyn, N. Y.</i>	6 Library st.
Charles Joseph French	<i>Evanston, Ill.</i>	61 s. m.
Abraham Lincoln Frisch	<i>Milwaukee, Wisc.</i>	91 N. M.
Philo Carroll Fuller	<i>Grand Rapids, Mich.</i>	47 s. m.
Henry Parsons Garland	<i>Biddeford, Me.</i>	75 N. M.
Charles Tiffany Gilbert	<i>Birmingham</i>	523 Chapel st.
Edward Hooker Gilbert	<i>Ware, Mass.</i>	40 s. m.
Edward Graves	<i>New Haven</i>	87 Wall st.
William Milne Grinnell	<i>New York City</i>	90 High st.
Freeman Clark Griswold	<i>Greenfield, Mass.</i>	63 w.
Nathaniel Taylor Guernsey	<i>Dubuque, Iowa</i>	71 N. M.
Webster Hakes	<i>Norwich</i>	190 C.
John Dixon Hall	<i>Norwich</i>	55 s. m.
Reuben Post Hallock	<i>Rocky Point, N. Y.</i>	50 s. m.
William Lammon Harkness	<i>Bellevue, O.</i>	53 s. m.
Ernest Eldred Hart	<i>Council Bluffs, Iowa</i>	38 s. m.
Louis Bevier Hasbrouck	<i>Rondout, N. Y.</i>	233 D.
Charles Burnell Hawkes	<i>New Haven</i>	65 Martin st.
Louis Condit Hay	<i>New York City</i>	59 s. m.
Charles Arthur Heald	<i>Orange, N. Y.</i>	6 Library st.
Frederic Duncan Helmer	<i>Pike, N. Y.</i>	81 N. M.
Aubrey DeVere Hiles	<i>Milwaukee, Wisc.</i>	72 N. M.
Cyrus Foss Hill	<i>New Haven</i>	183 George st.
William Burr Hill	<i>New Haven</i>	183 George st.
Robert Clark Hine	<i>Stamford</i>	87 N. M.
Roderick Whittelsey Hine	<i>Lebanon</i>	57 s. m.
Henry Hitchings	<i>Gravesend, N. Y.</i>	87 N. M.
Charles Wittenberg Holzheimer	<i>Elmira, N. Y.</i>	489 Chapel st.
George Henry Hubbard	<i>Woodmont</i>	171 Wooster st.
George Edward Ide	<i>Brooklyn, N. Y.</i>	68 w.
James Warren Ingalls	<i>Putnam</i>	190 C.
George Snow Isham	<i>Chicago, Ill.</i>	54 s. m.
Henry Ives	<i>New Haven</i>	46 s. m.
Henry Pierson Johnes	<i>Newburgh, N. Y.</i>	39 s. m.
Edward Fairfield Jones	<i>Wilton</i>	64 s. m.
George Marsh Judd	<i>Newtown</i>	60 s. m.
Benjamin Bissell Lamb	<i>Chicago, Ill.</i>	37 s. m.
James Leighton	<i>Glenburn, Pa.</i>	162 Meadow st.
Solon Carl Frederick Leonhaeuser	<i>Pittsburgh, Pa.</i>	97 N.
Allen Bennett Lincoln	<i>Wilimantic</i>	187 C.
Frank Newton Loomis	<i>Granby</i>	193 C.
William Maltby Lovering	<i>Taunton, Mass.</i>	48 s. m.
Frank Benjamin Lucas	<i>Poquetannock</i>	177 Chapel st.
Calvin Stewart McChesney	<i>Pittstown, N. Y.</i>	100 N.
Richard Hays McDonald	<i>San Francisco, Cal.</i>	53 Insurance B'ld'g.
John Ryan McKee	<i>Pittsburgh, Pa.</i>	64 s. m.
Daniel Walton McMillan	<i>Mount Pleasant, Pa.</i>	44 s. m.

Frederick Arnold Manning	<i>Brooklyn, N. Y.</i>	65 w.
John Wesley Manning	<i>Fair Haven</i>	20 s.
John Francis Merrill	<i>Rutland, Vt.</i>	53 s. m.
Albert Henry Moulton	<i>Kittery, Me.</i>	75 n. m.
Thaddeus Halsted Myers	<i>Yonkers, N. Y.</i>	63 w.
William Wilson Kirchhofer Nixon	<i>Chicago, Ill.</i>	54 s. m.
James Edward O'Donnell	<i>Pittsburgh, Pa.</i>	202 Elm st.
Thomas Burr Osborne	<i>New Haven</i>	156 Crown st.
Sheldon Pharis Patterson	<i>Chicago, Ill.</i>	114 N.
Richard Augustus Peabody	<i>New York City</i>	37 s. m.
William Emerson Peck	<i>New Britain</i>	92 N. m.
Frederick Pickersgill	<i>Pittsburgh, Pa.</i>	39 s. m.
Wilson Howard Pierce	<i>Brookfield Center</i>	66 N. m.
Leonard Hayes Poole	<i>Baltimore, Md.</i>	64 w.
George Barclay Preston	<i>Pittsburgh, Pa.</i>	43 s. m.
Francis Esty Rice	<i>Framingham, Mass.</i>	33 s. m.
Harris Richardson	<i>Janesville, Wisc.</i>	489 Chapel st.
Arthur Heyward Ripley	<i>Brooklyn, N. Y.</i>	49 Grove st.
Lawrence Rolfe	<i>Auburn, Me.</i>	72 N. m.
Charles Burton Schram	<i>Milwaukee, Wisc.</i>	91 N. m.
Frederick Seymour	<i>Whitney's Point, N. Y.</i>	88 N. m.
James Sheldon	<i>New York City</i>	124 High st.
George Bliss Silliman	<i>East Haddam</i>	56 s. m.
Edward Lewis Simonds	<i>New Orleans, La.</i>	60 s. m.
John Clark Smith	<i>New Haven</i>	374 George st.
William Francis Smith	<i>Colebrook</i>	81 N. m.
Henry Hezekiah Sprague	<i>Newark, O.</i>	62 w.
Henry Stuart Stearns	<i>Hartford</i>	74 High st.
Frederic Halle Stebbins	<i>Springfield, Mass.</i>	92 N. m.
Arthur Griffin Stedman	<i>New York City</i>	44 s. m.
Willis Betts Sterling	<i>Cleveland, O.</i>	48 s. m.
Isaac Thomas	<i>West Chester, Pa.</i>	189 George st.
Norman Frederick Thompson	<i>Rockford, Ill.</i>	63 s. m.
Francis Herbert Tichenor	<i>Parishville, N. Y.</i>	100 N.
Edward Staats DeGrote Tompkins	<i>Kinderhook, N. Y.</i>	489 Chapel st.
Henry Nelson Tuttle	<i>Chicago, Ill.</i>	62 s. m.
Edward Lambert Twombly	<i>Boston, Mass.</i>	188 C.
Edwin Stewart Underhill	<i>Bath, N. Y.</i>	56 s. m.
Adrian Sebastian Van de Graaff	<i>Los Angeles, Cal.</i>	71 N. m.
Frederic Richardson Vernon	<i>Brooklyn, N. Y.</i>	88 N. m.
Howard Talbot Walden	<i>Brooklyn, N. Y.</i>	45 s. m.
William Reid Walker	<i>Skull Shoals, S. C.</i>	149 Chapel st.
George Martin Wallace	<i>Wallingford</i>	98 N.
Pinckney Alston Waring	<i>Savannah, Ga.</i>	33 s. m.
Everett Warren	<i>Scranton, Pa.</i>	51 Howe st.
George Wakeman Wheeler	<i>Hackensack, N. J.</i>	187 C.
Sherman Leland Whipple	<i>New London, N. H.</i>	188 C.
Arthur Eli White	<i>New York City</i>	64 w.

Henry Charles White	<i>Vernon, N. Y.</i>	192 C.
Lasell Hayden White	<i>W. Richmondville, N. Y.</i>	494 Chapel st.
Charles Octavius Whitmore	<i>Farmington</i>	127 Crown st.
George Woolsey	<i>New Haven</i>	250 Church st.
Edward Welton Young	<i>New Haven</i>	159 Bradley st.
James Edwin Zunts	<i>New Orleans, La.</i>	107 York st.

SOPHOMORES, 147

## FRESHMAN CLASS

Frank Frost Abbott	<i>Redding</i>	196 Crown st.
John Lanson Adams	<i>Westport</i>	126 N.
James Ferguson Allen	<i>New Haven</i>	251 Church st.
Martin Smith Allen	<i>Brooklyn, N. Y.</i>	153 Crown st.
Selden Bacon	<i>Norwich</i>	133 York st.
Walter Irving Badger	<i>Boston, Mass.</i>	109 York st.
William Elder Bailey	<i>Harrisburg, Pa.</i>	489 Chapel st.
Harry Rudolph Baltz	<i>Philadelphia, Pa.</i>	162 York st.
Erwin Hinckley Barbour	<i>Oxford, O.</i>	71 York st.
Henry Weldon Barnes	<i>Pittsburgh, Pa.</i>	77 York st.
William Woodward Barrow	<i>New York City</i>	41 High st.
Ira Barrows	<i>North Attleboro', Mass.</i>	464 Chapel st.
Floyd Julius Bartlett	<i>Warsaw, N. Y.</i>	73 York st.
Mortimer Stratton Bate	<i>Brooklyn, N. Y.</i>	153 Crown st.
Robert Parker Bates	<i>Bennington, Vt.</i>	127 N.
Morgan Hawley Beach	<i>Alexandria, Va.</i>	126 York st.
Cyrus Bentley, Jr.	<i>Chicago, Ill.</i>	494 Chapel st.
Charles Kingsbury Billings	<i>New York City</i>	94 Grove st.
Lewis Olie Billings	<i>Chicago, Ill.</i>	165 Temple st.
Julius Washburn Bliss	<i>South Hadley Falls, Mass.</i>	72 High st.
Charles Edward Blumley	<i>Norwich</i>	8 Lock st.
George Shepard Boltwood	<i>Hartford</i>	59 Wall st.
Benjamin Brewster	<i>New Haven</i>	100 W.
Ferree Brinton	<i>Philadelphia, Pa.</i>	126 York st.
Nathaniel Richardson Bronson	<i>Waterbury</i>	547 Chapel st.
Edward Melancthon Brooks	<i>Fall River, Mass.</i>	489 Chapel st.
Wayland Irving Bruce	<i>Poughkeepsie, N. Y.</i>	95 N. M.
Charles Winslow Burpee	<i>Rockville</i>	125 N.
Robert Camp	<i>Milwaukee, Wisc.</i>	519 Chapel st.
James Alexander Campbell	<i>St. Louis, Mo.</i>	41 College st.
William Mearns Carswell	<i>Highland Falls, N. Y.</i>	96 N. M.
George Stuart Carter	<i>New York City</i>	74 High st.
Charles Blackwell Case	<i>Three Bridges, N. J.</i>	525 Chapel st.
Livingston Reade Catlin	<i>New York City</i>	175 Oak st.

Francis Lewis Clark	<i>Bangor, Me.</i>	146 College st.
Frederick William Clark	<i>Agawam, Mass.</i>	193 George st.
Stephen Merrill Clement	<i>Buffalo, N. Y.</i>	101 N.
Gilbert Colgate	<i>Orange, N. Y.</i>	152 York st.
Charles Farnham Collins	<i>Newport, R. I.</i>	94 W.
Robert Browning Corey	<i>Elmira, N. Y.</i>	489 Chapel st.
Edwin Bradford Cragin	<i>Colchester</i>	112 N.
Bryan Cumming	<i>Augusta, Ga.</i>	114 High st.
George Edward Curtis	<i>Birmingham</i>	104 Howe st.
Theodore DeWitt Cuyler	<i>Philadelphia, Pa.</i>	162 York st.
Willard Anthony Davis	<i>Boston, Mass.</i>	110 Olive st.
Edgar Augustus DeWitt	<i>Rockland, Mass.</i>	64 High st.
Arthur Mortimer Dickinson	<i>Waterbury</i>	70 Howe st.
Edwin Lynde Dillingham	<i>Bangor, Me.</i>	149 College st.
Joseph Richardson Dilworth	<i>Pittsburgh, Pa.</i>	77 York st.
Charles Gibbons Douw	<i>Poughkeepsie, N. Y.</i>	9 Library st.
Franklin Maynard Eaton	<i>St. Stephens, N. B.</i>	489 Chapel st.
William Phelps Eno	<i>New York City</i>	48 College st.
Frank Cooley Farwell	<i>Chicago, Ill.</i>	464 Chapel st.
Augustine FitzGerald	<i>Litchfield</i>	120 Crown st.
Henry Titus Folsom	<i>Orange, N. Y.</i>	152 York st.
Carlton Alexander Foote	<i>New Haven</i>	347 Howard av.
Wilbur Harvey Nash Ford	<i>Milford</i>	25 Park st.
William Fosdick	<i>Stamford</i>	464 Chapel st.
Burnside Foster	<i>Boston, Mass.</i>	116 W.
Asa Palmer French	<i>Braintree, Mass.</i>	109 York st.
Joseph Emanuel Friend	<i>Milwaukee, Wisc.</i>	494 Chapel st.
Harry Chambers Fries	<i>Philadelphia, Pa.</i>	162 York st.
Frank Runyon Gallaher	<i>New Haven</i>	529 Chapel st.
Henry Washburn Gardes	<i>New Orleans, La.</i>	9 Library st.
Charles Francis Gardner	<i>Sacramento, Cal.</i>	64 High st.
Frank Forrest Giltner	<i>Portland, Or.</i>	
Charles Burr Graves	<i>New London</i>	41 High st.
George Heber Graves	<i>New Haven</i>	87 Wall st.
Chauncey Milton Griggs	<i>St. Paul, Minn.</i>	110 N.
Herbert Stanton Griggs	<i>St. Paul, Minn.</i>	110 N.
Alfred Chapman Hand	<i>Honesdale, Pa.</i>	94 N. M.
Charles William Harkness	<i>Cleveland, O.</i>	133 York st.
George Edward Haskell	<i>New Bedford, Mass.</i>	244 Crown st.
James Smith Havens	<i>Weedsport, N. Y.</i>	35 High st.
Charles Samuel Hebard	<i>Williamsport, Pa.</i>	459 Chapel st.
Theodore Holland	<i>New York City</i>	155 Elm st.
Samuel Cornell Hopkins	<i>Catskill, N. Y.</i>	63 S. M.
Charles Goodrich Hower	<i>Cleveland, O.</i>	464 Chapel st.
Philip Parley Hubbard	<i>Litchfield</i>	78 N. M.
Louis Kossuth Hull	<i>New Haven</i>	80 N. M.
Henry Clarke Jefferds	<i>Bangor, Me.</i>	149 College st.
Barclay Johnson	<i>New York City</i>	56 W.

Frank Albert Kellogg	<i>New Haven</i>	10 York sq.
John Prescott Kellogg	<i>Waterbury</i>	464 Chapel st.
James Henry Kingman	<i>New Bedford, Mass.</i>	244 Crown st.
David Kinlay, Jr.	<i>Andover, Mass.</i>	78 N. M.
Alfred Beard Kittredge	<i>East Jaffrey, N. H.</i>	35 High st.
Howard Hoyt Knapp	<i>South Norwalk</i>	80 N. M.
Charles Henry Lewis	<i>Naugatuck</i>	95 N. M.
Tun Yen Liang	<i>Kwang Tong, China</i>	111 N.
William Levi Littlehales	<i>Pottsville, Pa.</i>	525 Chapel st.
Charles Gleason Long	<i>Amesbury, Mass.</i>	64 High st.
Charles Jonas Long	<i>Wilkes Barre, Pa.</i>	7 Library st.
Seymour Crane Loomis	<i>Suffield</i>	305 Orange st.
Martin Lovering	<i>Harvard, Mass.</i>	99 N.
Fred. Messenger Lowe	<i>Fitchburg, Mass.</i>	148 F.
Chester Wolcott Lyman	<i>New Haven</i>	88 Trumbull st.
Enoch Wilber McBride	<i>Goshen, N. Y.</i>	126 High st.
William Holmes McGuffey	<i>Cincinnati, O.</i>	111 N.
Harry Chapman McKnight	<i>Ellington</i>	9 Park st.
Isaac Merritt	<i>Ramsey's, N. Y.</i>	64 High st.
George Brooke Miller	<i>Sandy Spring, Md.</i>	41 High st.
John Craig Miller	<i>Newburgh, N. Y.</i>	56 W.
Herbert Lyman Moodey	<i>Brooklyn, N. Y.</i>	147 York st.
Charles Newton Morris	<i>West Hartford</i>	109 N.
George Wells Morrison	<i>Thompsonville</i>	79 N. M.
John Hollister North	<i>New Haven</i>	138 Chapel st.
Arthur Sherwood Osborne	<i>New Haven</i>	156 Crown st.
Frank Edward Page	<i>Bath, Me.</i>	127 N.
Josiah Culbert Palmer	<i>Brooklyn, N. Y.</i>	81 York st.
William Scranton Pardee	<i>New Haven</i>	327 George st.
Maxwell Parke	<i>Pittston, Pa.</i>	128 High st.
Peter Parker, Jr.	<i>Washington, D. C.</i>	198 Crown st.
William Henry Parsons, Jr.	<i>Rye, N. Y.</i>	38 High st.
Chauncey Howard Pember	<i>Rockville</i>	128 N.
Walter Gillespie Phelps	<i>Windsor</i>	170 George st.
Richard Henry Pierce	<i>Hopkinton, Mass.</i>	128 N.
Harry Barstow Platt	<i>Owego, N. Y.</i>	126 High st.
William Pollock	<i>Pittsfield, Mass.</i>	74 High st.
David Boies Porter	<i>Rye, N. Y.</i>	112 N.
Edward Pascal Pratt	<i>Buffalo, N. Y.</i>	198 Crown st.
Julius Howard Pratt, Jr.	<i>Mont Clair, N. Y.</i>	96 N. M.
Robert Camp Price	<i>Cincinnati, O.</i>	519 Chapel st.
William Manning Pryne	<i>Warner's, N. Y.</i>	126 N.
James Quackenbush Rice	<i>Hartford</i>	79 N. M.
Charles Edward Richards	<i>Keene, N. H.</i>	94 N. M.
George Parker Richardson	<i>Bath, Me.</i>	93 N. M.
John Rossiter	<i>North Guilford</i>	305 Elm st.
Joseph Hinesford Rylance	<i>New York City</i>	109 Elm st.
Amasa Wright Saltus	<i>Brooklyn, N. Y.</i>	152 York st.

Henry Byron Sanderson	<i>Milwaukee, Wisc.</i>	519 Chapel st.
Daniel Sammis Sanford	<i>Redding Ridge</i>	196 Crown st.
James Clark Sanford	<i>Palmyra, N. Y.</i>	36 High st.
Edward Bartow Sargent	<i>Cincinnati, O.</i>	77 York st.
Charles Edward Schuyler	<i>New York City</i>	162 York st.
Arthur Scranton	<i>Scranton, Pa.</i>	494 Chapel st.
Charles Locke Scudder	<i>Great Barrington, Mass.</i>	126 Crown st.
Oscar Trufant Sewall	<i>Bath, Me.</i>	93 N. M.
William Seymour	<i>Newington</i>	84 N. M.
David Elliot Shelton	<i>Bridgeport</i>	77 N. M.
Caleb Wright Shipley	<i>Cincinnati, O.</i>	222 Crown st.
Levi Ives Shoemaker	<i>Wilkes Barre, Pa.</i>	114 College st.
Edward Vernon Silver	<i>Brooklyn, N. Y.</i>	120 Chapel st.
Lewis Mann Silver	<i>Brooklyn, N. Y.</i>	120 Chapel st.
Clarence Austin Smith	<i>Birmingham</i>	90 N. M.
Edward Eugene Smith	<i>Hartford</i>	90 N. M.
Frank Hiram Snell	<i>Washington, D. C.</i>	198 Crown st.
Henry Speke Snyder	<i>Philadelphia, Pa.</i>	305 Elm st.
Charles Stillman	<i>New York City</i>	458 Chapel st.
Horatio Odell Stone	<i>Chicago, Ill.</i>	464 Chapel st.
Charles Bigelow Storrs	<i>New York City</i>	458 Chapel st.
Charles Sumner	<i>Canton, Mass.</i>	464 Chapel st.
Howard Peck Sweetser	<i>New York City</i>	114 High st.
Frank Corning Tanner	<i>Norwich</i>	8 Lock st.
Bernard Titcher	<i>New Orleans, La.</i>	133 York st.
Frank Brodhead Tracy	<i>Brooklyn, N. Y.</i>	208 Elm st.
Joseph Parker Trowbridge	<i>New Haven</i>	121 Meadow st.
Henry Trumbull	<i>Chicago, Ill.</i>	464 Chapel st.
Will Loujeay VanKirk	<i>Pittsburgh, Pa.</i>	77 York st.
William Grandin Vought	<i>Buffalo, N. Y.</i>	126 York st.
Tracy Waller	<i>New London</i>	41 High st.
Daniel B. Weaver	<i>Lancaster, Pa.</i>	35 High st.
Carl Gustav Weber	<i>Cleveland, O.</i>	464 Chapel st.
Edward Odell Weed	<i>New York City</i>	74 High st.
Archibald Ashley Welch	<i>Hartford</i>	109 N.
John Lewis Welles	<i>Fayetteville, N. Y.</i>	64 High st.
Martin Welles	<i>Newington</i>	84 N. M.
Thomas McDonnell Wentworth	<i>Racine, Wisc.</i>	73 Howe st.
Joseph Ernest Whitney	<i>Cornwall</i>	125 N.
Emmet Smith Williams	<i>West Meriden</i>	170 George st.
Harry Lucien Williams	<i>Northampton, Mass.</i>	126 High st.
Franklin Eldred Worcester	<i>Albany, N. Y.</i>	134 College st.
Arthur Bethuel Wright	<i>New Haven</i>	146 York st.
Paul Wright	<i>New Haven</i>	146 York st.

# SHEFFIELD SCIENTIFIC SCHOOL

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WALTER WATSON

## GRADUATE STUDENTS

William Whittlesey Abbott, PH.B.	<i>New Haven</i>	257 Church st.
Frank Dawson Adams, B.S. }	<i>Montreal</i>	26 Trumbull st.
McGill University		
Henry Prentiss Armsby, PH.B.	<i>New Haven</i>	206 York st.
John Pomeroy Bartlett, PH.B.	<i>New Britain</i>	16 S. H.
John Luis Blackmore, PH.B.	<i>City of Mexico, Mexico</i>	40 Park st.
Thomas Marcus Blakslee, PH.B. }	<i>Hamilton, N. Y.</i>	14 Compton st.
Madison University		
Walter Linsley Cowles, PH.B.	<i>Wallingford</i>	Wallingford
Frederic Henry Crafts, M.A. }	<i>Uncasville</i>	35 High st.
Dartmouth College		
Frederic Perkins Dewey, PH.B.	<i>Hartford</i>	87 Olive st.
William Ely, PH.B. }	<i>Providence, R. I.</i>	35 Hillhouse av.
Brown University		
Augustus James Emery, PH.B.	<i>Bangor, Me.</i>	675 Chapel st.
Edward Hopkins Jenkins, B.A.	<i>New Haven</i>	206 York st.
Joseph Frederick Klein, D.E.	<i>New Haven</i>	86 Nichols st.
Arthur Lakes, B.A. }	<i>Golden, Col.</i>	92 High st.
Oxford University		
Nawokichi Matsui, PH.B. }	<i>Tokio, Japan</i>	59 Wall st.
Columbia College		
James Boyd Neal, B.A.	<i>Bloomsburg, Pa.</i>	6 Library st.
Samuel Lewis Penfield, PH.B.	<i>Catskill, N. Y.</i>	14 S. H.
Richard Rathbun, }	<i>Buffalo, N. Y.</i>	N. S. H.
Cornell University		
Alfred Lawrence Ripley, B.A.	<i>Andover, Mass.</i>	123 W.
Edward Hubbard Russell, PH.B.	<i>New Haven</i>	19 Wooster pl.
William Thompson Sedgwick, PH.B.	<i>Farmington</i>	14 S. H.
Benjamin Thaw, B.A. }	<i>Pittsburgh, Pa.</i>	171 Crown st.
Western Univ. of Pa.		
John Trumbull, B.A.	<i>Valparaiso, Chili</i>	124 High st.
Horace Lemuel Wells, PH.B.	<i>New Britain</i>	47 N. S. H.
Samuel W. Williston, B.A. }	<i>Manhattan, Kan.</i>	92 High st.
Kansas Agric. College		
Edmund Beecher Wilson, PH.B.	<i>Geneva, Ill.</i>	523 Chapel st.

GRADUATES, 26

NOTE—These names have been already given in the list of Graduate Students on page 22.



## SENIOR CLASS

Frederick Innis Allen	<i>Auburn, N. Y.</i>	33 Prospect st.
Harry Washington Asher	<i>New Haven</i>	6 Orange st.
William Montgomery Atwater	<i>New Haven</i>	161 George st.
Charles Ketchum Averill	<i>Bridgeport</i>	128 High st.
Nathaniel Terry Bacon	<i>Norwich</i>	247 Church st.
Samuel Eben Barney	<i>New Haven</i>	110 Olive st.
George Frederick Hunter Bartlett	<i>Buffalo, N. Y.</i>	156 York st.
Joseph Bidleman Bissell	<i>Lakeville</i>	156 York st.
Malcom Booth	<i>South Kingston, R. I.</i>	17 Wooster pl.
Frederick Burr Clemmons	<i>New Haven</i>	162 Putnam st.
William James Comstock	<i>Toledo, O.</i>	37 College st.
Albert William Congdon	<i>Brooklyn, N. Y.</i>	120 Crown st.
John Howard Cromwell	<i>Cranford, N. J.</i>	156 York st.
Charles Thompson Dodd	<i>West Meriden</i>	156 York st.
Arthur Dodge	<i>Stamford</i>	156 York st.
George Clarence Egan	<i>Chicago, Ill.</i>	36 Elm st.
Emerson Young Foote	<i>New Haven</i>	156 York st.
Norman Norton Fowler	<i>Agawam, Mass.</i>	147 York st.
John Currier Gallagher	<i>New Haven</i>	21 Olive st.
Jonathan Godfrey	<i>Southport</i>	156 York st.
Frank Hanson Harrison	<i>Indianapolis, Ind.</i>	117 w.
Gerald Waldo Hart	<i>New Britain</i>	33 Prospect st.
Harry Dudley Hibbard	<i>Woodside, N. Y.</i>	134 College st.
Frank Hillhouse	<i>New Haven</i>	3 Hillhouse av.
Charles DeVilliers Hoard	<i>Chicago, Ill.</i>	122 York st.
Charles Perry Hull	<i>Lebanon</i>	128 High st.
John Jewett	<i>New York City</i>	131 Temple st.
Frederick Augustus Jones	<i>Newark, N. J.</i>	156 York st.
Alfred Dennis Lewis	<i>Bridgeport</i>	156 York st.
George Walker Meeker	<i>Chicago, Ill.</i>	131 Temple st.
Kakichi Mitsukuri	<i>Tokio, Japan</i>	130 York st.
John Moorhead	<i>Pittsburgh, Pa.</i>	165 Temple st.
Edward Delavan Nelson	<i>New York City</i>	55 Trumbull st.
Walter Nordhoff	<i>Alpine, N. J.</i>	73 w.
Frederick Wallace Paramore	<i>St. Louis, Mo.</i>	36 Elm st.
Robert Wilson Patrick	<i>Omaha, Nebr.</i>	79 York st.
Harold Roorbach	<i>New York City</i>	104 Grove st.
Edward Rupert Sargent	<i>New Haven</i>	51 Elm st.
George Augustus Saunders	<i>Newport, R. I.</i>	187 Temple st.
William Seth Silsby	<i>Seneca Falls, N. Y.</i>	36 Elm st.
Rufus Henry Skeel	<i>Newburgh, N. Y.</i>	156 York st.
Herbert Eugene Smith	<i>Hartford</i>	187 Temple st.
Thaddeus Henry Spencer	<i>Suffield</i>	147 York st.
Isaiah Kidder Stetson	<i>Ranquot, Me.</i>	156 York st.
Daniel Eddie Stone	<i>Cleveland, O.</i>	136 Crown st.

Arthur Stoddard Van Voorhis	<i>New York City</i>	55 Trumbull st.
John Thomas Waring	<i>Yonkers, N. Y.</i>	136 Crown st.
Albert Lowery Webster	<i>Staten Island, N. Y.</i>	86 w.
Charles Seward Wilcox	<i>Painesville, O.</i>	145 York st.
Walter Smith Williams	<i>Evanston, Ill.</i>	36 Elm st.
		SENIORS, 50

## JUNIOR CLASS

Daniel Sidney Appleton	<i>New York City</i>	55 Trumbull st.
Charles Rufus Ayres	<i>Woodmont</i>	156 York st.
Charles Backus Ball	<i>New Britain</i>	32 Mansfield st.
Rogers Clark Ballard	<i>Louisville, Ky.</i>	132 College st.
Edward Hallaran Booth	<i>New Orleans, La.</i>	25 Prospect st.
Hartman Bache Borie	<i>Philadelphia, Pa.</i>	156 York st.
Harry Banning Bradford	<i>Wilmington, Del.</i>	60 w.
Harry Osborn Carrington	<i>New Haven</i>	527 Chapel st.
Joseph Arthur Chanute	<i>New York City</i>	58 w.
George Huntington Clark	<i>Norwich</i>	19 Trumbull st.
Arthur Baylies Coffin	<i>Edgartown, Mass.</i>	167 Temple st.
Edward Allen Colby	<i>St. Johnsbury, Vt.</i>	7 Library st.
Frank McAlpine Collin	<i>Penn Yan, N. Y.</i>	27 Prospect st.
Peter Franklin Conway	<i>New Haven</i>	117 Washington st.
Charles Mabie Crouse	<i>Syracuse, N. Y.</i>	36 Elm st.
Thomas Edward Doolittle	<i>Onarga, Ill.</i>	36 Elm st.
Jacob Edward Emery	<i>Fair Haven</i>	17 Crown st.
William Henry Fox	<i>Washington, D. C.</i>	25 Prospect st.
George Edward Goodspeed	<i>East Haddam</i>	115 Greene st.
John Warren Hardenbergh	<i>Jersey City, N. J.</i>	66 w.
Samuel Higgins	<i>Buffalo, N. Y.</i>	134 College st.
Louis Maynard Higginson	<i>Newburgh, N. Y.</i>	61 w.
Walter Hitchcock	<i>Cheshire</i>	19 Trumbull st.
Theodore Lanahan Hooper	<i>Baltimore, Md.</i>	169 Temple st.
Colin Macrae Ingersoll	<i>New Haven</i>	85 Trumbull st.
Martin Edward Jensen	<i>Cleveland, O.</i>	64 High st.
David Brown Lewis	<i>Utica, N. Y.</i>	86 w.
Ernest Theophilus Liefeld	<i>New Haven</i>	36 Orchard st.
Richard Becker Lyon	<i>New Haven</i>	710 Chapel st.
Willey Solon McCrea	<i>Chicago, Ill.</i>	36 Elm st.
Edwin Kirtland Morse	<i>Poland, O.</i>	A.
Carl Eugene Munger	<i>Watertown</i>	27 Prospect st.
Edward Butler Needham	<i>Hartford</i>	36 Elm st.
Frederic Adriance Osborn	<i>New Haven</i>	150 York st.
George Benjamin Phelps, Jr.	<i>Watertown, N. Y.</i>	36 Elm st.
Dwight Porter	<i>Hartford</i>	14 Lock st.

Edgar Sheffield Porter	<i>New Haven</i>	38 Hillhouse av.
Edward Freeman Porter	<i>Stowe, Vt.</i>	23 Prospect st.
Edward Vilette Reynolds	<i>Chicago, Ill.</i>	104 Grove st.
Edwin McNeill Rogers	<i>Central City, Col.</i>	58 w.
George Bliss Rogers	<i>Lexington, Mass.</i>	36 Elm st.
Isaac Marion Rosenthal	<i>Rochester, N. Y.</i>	35 Howe st.
William Bartlett Schofield	<i>West Point, N. Y.</i>	48 College st.
Henry Starkweather	<i>New Haven</i>	178 Oak st.
Elliott Joseph Stoddard	<i>Seymour</i>	52 Whalley av.
Schuyler VanVechten	<i>Albany, N. Y.</i>	55 Trumbull st.
Adrian Rowe Wadsworth	<i>Farmington</i>	165 Temple st.
William Candee Warren	<i>Buffalo, N. Y.</i>	61 w.
Adolph Frederic Wehner	<i>New Haven</i>	544 Chapel st.
George Goodwin Williams	<i>Glastonbury</i>	60 w.
Arthur Burnham Woodford	<i>West Winsted</i>	116 College st.
		JUNIORS, 51

## FRESHMAN CLASS

Charles Francis Adams	<i>Jessups, Md.</i>	87 Olive st.
Ethan Allen Andrews	<i>Tarrytown, N. Y.</i>	Elm st.
George Jackson Angell	<i>Brooklyn, N. Y.</i>	167 Temple st.
Arthur Dean Bevan	<i>Chicago, Ill.</i>	43 College st.
Frank Lewis Bigelow	<i>New Haven</i>	278 Orange st.
George Frederick Bosworth	<i>Milford</i>	518 State st.
Seymour Perry Bradley	<i>Westville</i>	Elm st. Westville
Lester Paige Breckenridge	<i>Westfield, Mass.</i>	114 High st.
Charles Sheldon Burnham	<i>Woodbridge</i>	29 Prospect st.
Charles Monroe Carpenter, Jr.	<i>Brooklyn, N. Y.</i>	123 Park st.
Frederick Casper	<i>West Meriden</i>	14 Olive st.
Charles Chamberlain	<i>Brooklyn, N. Y.</i>	167 Temple st.
Howard Field Chappell	<i>Chicago, Ill.</i>	43 College st.
George Strong Daniels	<i>New York City</i>	64 High st.
Harry Sprague Davidson	<i>San Francisco, Cal.</i>	432 Chapel st.
John Devereux	<i>Cleveland, O.</i>	257 Church st.
Charles Manville Downs	<i>New Haven</i>	92 Greene st.
Oliver Winchester Dye	<i>New Haven</i>	194 Prospect st.
John Slade Ely	<i>New York City</i>	59 w.
George Sherman Folsom	<i>Northford</i>	161 George st.
Seymour Francis Frisick	<i>Hartford</i>	99 Wall st.
Albert Moses Gerstle	<i>Youngstown, O.</i>	6 Orange st.
William Creighton Giles	<i>Southport</i>	84 Wall st.
Henry Holbrook Gladding	<i>New Haven</i>	90 Dwight st.
Edward Leeds Goodsell	<i>New Haven</i>	6 High st.
William Loomis Griswold	<i>Banksville</i>	127 Whalley av.
Frederic Jonathan Hiller	<i>Cohoes, N. Y.</i>	59 w.

Edwin Augustus Hotchkiss	<i>New Haven</i>	69 York st.
Frank Allison Hubbard	<i>Sandusky, O.</i>	123 Park st.
Blain Jamison	<i>New Orleans, La.</i>	165 Temple st.
William Fowler Jarvis, Jr.	<i>New York City</i>	132 College st.
Jeme Tien Yow	<i>Canton, China</i>	136 College st.
James Eliphalet Killam	<i>New Haven</i>	67 Wooster st.
Edmund Parker Lord	<i>Saxonville, Mass.</i>	134 College st.
Nathaniel White Lynde	<i>West Brookfield, Mass.</i>	87 Olive st.
Silas Metzger	<i>New Haven</i>	17 Grove st.
Marcus Dary Munn	<i>Southington</i>	127 Whalley av.
Marvin Olcott	<i>Corning, N. Y.</i>	134 College st.
Owyang Keng	<i>Canton, China</i>	136 College st.
Francis Stuyvesant Peabody	<i>Chicago, Ill.</i>	84 Wall st.
Oliver Phelps	<i>Canandaigua, N. Y.</i>	123 Park st.
Harry Smith Pope	<i>Jersey City, N. J.</i>	196 Crown st.
Joel Howard Reed	<i>Albany, N. Y.</i>	A.
Addison Alexander Righter	<i>Newark, N. J.</i>	8 Lock st.
John Hutchinson Robinson	<i>Lake Village, Ark.</i>	126 Crown st.
George Lewis Sargent	<i>New Haven</i>	51 Elm st.
Joseph Denny Sargent	<i>New Haven</i>	51 Elm st.
Louis Jacob Schiller	<i>New Haven</i>	8 Martin st.
Bernard Joseph Shanley	<i>New Haven</i>	211 Franklin st.
Frank Augustus Smith	<i>New Haven</i>	36 Lyon st.
George Edward Stevens	<i>New Haven</i>	7 Wooster pl.
Henry Taber	<i>New York City</i>	140 Edwards st.
Burton Henry Todd	<i>Wallingford</i>	22 Trumbull st.
John Heyward Trumbull	<i>Talcahuana, Chili</i>	13 Trumbull st.
Richard Lindsay Trumbull	<i>Talcahuana, Chili</i>	13 Trumbull st.
John Henry Ullrich	<i>Decatur, Ill.</i>	c. Davenport av. Asylum
Howard VanRensselaer	<i>Albany, N. Y.</i>	23 Prospect st.
Frank Charles Warner	<i>West Suffield</i>	141 Bradley st.
Robert William Watson	<i>Ashtabula, O.</i>	257 Church st.
Harry Yale Witbeck	<i>Chicago, Ill.</i>	84 Wall st.
William Meeker Wood	<i>Morristown, N. J.</i>	191 Temple st.
Willis Benton Wright	<i>Cromwell</i>	88 Grove st.
FRESHMEN, 61		

## SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE

Louis Norton Bail	<i>New Haven</i>	43 Park st.
Edgar Bertrand Doolittle	<i>Cheshire</i>	22 Trumbull st.
Joseph Caldwell Earle	<i>New Haven</i>	214 Orchard st.
Henry Arthur Smith	<i>Honesdale, Pa.</i>	29 High st.
Walter Watson	<i>Northampton, Mass.</i>	90 Grove st.
Charles Wilcoxson Whittlesey	<i>New Haven</i>	524 Chapel st.

SPECIAL STUDENTS, 6

# SCHOOL OF THE FINE ARTS

## FACULTY

REV. NOAH PORTER, D.D., LL.D., PRESIDENT  
JOHN F. WEIR, N.A., M.A., *Director*  
JOHN H. NIEMEYER, M.A.

FREDERIC R. HONEY, *Instructor in Perspective*  
JOHN P. C. FOSTER, M.D., *Instructor in Anatomy*

## LECTURERS FOR 1878-79

CHARLES C. PERKINS, *Boston*  
WILLIAM R. WARE, *Institute Technology, Boston*  
EDWARD E. SALISBURY, *New Haven*  
DONALD G. MITCHELL, *New Haven*

JOLINE B. SMITH, *Librarian*

## STUDENTS

Georgianna Ayres	<i>Kansas</i>
Seth W. Babbitt	<i>West Meriden</i>
Emma H. Bacon	<i>Meriden</i>
Henry Baldwin, B.A.	<i>Hartford</i>
Emma C. Banks	<i>New Haven</i>
John J. Brennan	<i>New Haven</i>
Fannie C. Burr	<i>Monroe</i>
Julia I. Coe	<i>New Haven</i>
Jessalyn A. Couch	<i>Middlefield</i>
Caroline E. Dudley	<i>New Haven</i>
Laura F. Fitch	<i>Indiana</i>
Catherine S. Gold	<i>West Cornwall</i>
Eliza J. Harrison	<i>New Haven</i>
Mary E. Hart	<i>New Haven</i>
Caroline Hensell	<i>Hartford</i>
Mary R. Jackson	<i>South Manchester</i>
Emma E. Hill	<i>New Haven</i>
Ann S. Johnson	<i>New Haven</i>
Frederic T. Langzettell	<i>New Haven</i>
Helen E. Leonard	<i>Seymour</i>
Charles R. Loomis	<i>Hartford</i>
Henry E. Manning	<i>New Haven</i>
Lily Pond Parker	<i>Hartford</i>
Ann F. Penfield	<i>Rockford, Ill.</i>
Louise Powe	<i>Ansonia</i>
Melissa Relyea	<i>Green's Farms</i>
Frederic Remington	<i>Ogdensburg, N. Y.</i>
Sarah W. Talcott	<i>Hartford</i>
Rosalie Tomlinson	<i>Birmingham</i>
Lucy P. Trowbridge	<i>New Haven</i>

STUDENTS IN REGULAR ATTENDANCE,	30
SPECIAL STUDENTS,	67

The Freshman Class of the Sheffield Scientific School, and others not in regular attendance, are included in the summary of special students.

## SUMMARY OF STUDENTS

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DEPARTMENT OF THEOLOGY	.	-	-	-	-	67
DEPARTMENT OF MEDICINE	-	-	-	-	-	58
DEPARTMENT OF LAW	-	-	-	-	-	68
DEPARTMENT OF PHILOSOPHY AND THE ARTS:						
GRADUATE INSTRUCTION	-	-	-	-	-	46
UNDERGRADUATE ACADEMICAL DEPARTMENT						587
SHEFFIELD SCIENTIFIC SCHOOL	-	-	-	-	-	194
SCHOOL OF THE FINE ARTS	-	-	-	-	-	30
						<hr/> 857
						<hr/> 1050
Deduct for names inserted twice	-	-	-	-	-	28
						<hr/> 1022
Total	-	-	-	-	-	1022

## GENERAL STATEMENT

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The departments of instruction in YALE COLLEGE are comprehended under four divisions, as follows:—

The Faculty of THEOLOGY,  
of MEDICINE,  
of LAW,  
of PHILOSOPHY AND THE ARTS.

Under the last named Faculty are included, the COURSES FOR GRADUATE INSTRUCTION, the UNDERGRADUATE ACADEMICAL DEPARTMENT, the UNDERGRADUATE SECTION OF THE SHEFFIELD SCIENTIFIC SCHOOL, and the SCHOOL OF THE FINE ARTS—each having a distinct organization.

In the particular statements which follow, the Department of Philosophy and the Arts is first given, with its subdivisions in the order named; and afterwards the three Professional Departments.

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The legal designation of the Corporation is "THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN."

# DEPARTMENT OF PHILOSOPHY AND THE ARTS ,



## GRADUATE INSTRUCTION

Graduates of this and other Colleges, and other persons of liberal education (not less than eighteen years old), are received as students for longer or shorter periods, with or without reference to the attainment of a degree.

An Executive Committee has a general oversight of the students in this department. The Committee this year is composed of Professors WHITNEY, NEWTON, BRUSH, and WHEELER. They receive the names of applicants for instruction, and judge and approve the course of study proposed; and information may be obtained from them as to conditions, terms, etc. Students may also make special arrangements with any instructor according to their mutual convenience.

Instruction is given partly by lectures, partly by recitations and by oral and written discussions, partly by directing courses of reading, and partly by work in the laboratories and with instruments.

The terms and vacations correspond with those in the Undergraduate Departments. (See Calendar, p. 4.)

The fee for instruction in connection with the Sheffield Scientific School is one hundred and fifty dollars a year; in other cases generally one hundred dollars, or more or less, according to the course pursued and the amount of instruction received.

THE DEGREE OF DOCTOR OF PHILOSOPHY is conferred upon those who, after having taken a Bachelor's degree (implying a course of undergraduate study equivalent to that pursued in the Academical Department), and having studied in this department for not less than two years, shall have passed a satisfactory final examination and presented a thesis giving evidence of high attainment in the branches of knowledge pursued. It is not given, upon examination, to those whose studies are pursued elsewhere. The requirements for it will



in some cases exact of the student more than two years of labor; especially when the course of undergraduate study has been less than four years. A good knowledge of Latin, German, and French will be required in all cases, unless, for some exceptional reason, the candidate be excused by the Faculty. The graduating fee is ten dollars.

The courses of instruction given in the department may be grouped as follows:

*1. Intellectual Philosophy ; Ethics.*

President PORTER: Psychology; Philosophy; History of Philosophy; Ethics.

*2. Political Science and History.*

Professor WHEELER: History of England to Henry VII.

Professor BREWER: Relations of Physical Geography to Political History.

Professor WALKER: Public Finance; Statistics of Industry.

Professor SUMNER: Politics and Finance in the History of the United States; Political Science; Finance.

Professor ROBINSON: History of Real Property; Canon Law; Parliamentary Law.

Professor DEXTER: American History.

Professor BALDWIN: Conflict of Law; Comparative Jurisprudence.

Professor PLATT: General Jurisprudence.

Professor WOOLSEY: International Law.

Mr. A. S. WHEELER: the Institutes of Gaius and Justinian; select titles of the *Corpus Juris*; German text-books of Roman Law.

*3. Philological Science ; Literature.*

Professor THACHER and Professor H. P. WRIGHT: Latin.

Dr. J. H. TRUMBULL: the American Indian Languages, especially the dialects of the Algonkin family.

Professor WHITNEY: the general principles of Linguistic Science; the Comparative Philology of the Indo-European Languages; the Sanskrit Language.

Professor PACKARD: Aristotle; History of Greek Literature.

Professor WILLIAMS: the Chinese Language and Literature.

Mr. VAN NAME: the elements of the Japanese Language.

Professor LOUNSBURY and Professor BERRS: the Anglo-Saxon Language; the early forms and literature of English.

Professor COE: Old French and Provençal.

Professor CARTER: the older Germanic Languages and Literature, including Gothic.

Professor DAY: the Hebrew and other Semitic Languages.

#### 4. *Mathematics.*

Professor NEWTON: Calculus; Analytical Mechanics; Lunar and Planetary Theories; Higher Geometry.

Professor CLARK: Definite Integrals; Differential Equations; Analytical Mechanics; the Theory of Numerical Approximations; the Method of Least Squares.

Professor GIBBS: the Laws of Vibratory and Undulatory Motion, with especial reference to Light and Sound; the Potential Function, with its application to the theories of Electricity and Magnetism; Capillarity.

#### 5. *Physics; Chemistry; Astronomy.*

Professor LOOMIS: Meteorology, with especial reference to the making and reducing of observations.

Professor NORTON: Spherical Astronomy.

Professor LYMAN: the use of Meridional and other Astronomical Instruments.

Professor JOHNSON: Theoretical and Analytical Chemistry.

Professor A. W. WRIGHT: Physical Manipulation in the departments of Heat, Light, and Electricity, with practical directions as to the management of apparatus.

Professor ALLEN: Analytical Chemistry.

Professor DUBOIS: Thermodynamics.

#### 6. *Geology; Natural History.*

Professor DANA: Geology.

Professor BRUSH: the Analysis and Determination of Mineral species; Descriptive Mineralogy.

Professor EATON: Structural and Systematic Botany, including the North American Flora and the description of genera and species.

Professor MARSH: Palæontology; Comparative Osteology.

Professor VERRILL and Professor S. I. SMITH: Zoology.

Dr. E. S. DANA: Optical Mineralogy; Crystallography.

#### 7. *Applied Science.*

Professor NORTON: Applied Mechanics.

Professor LYMAN: Astronomical Spectroscopy.

Professor JOHNSON: Agricultural Chemistry.

Professor BREWER: Agriculture; Forest Culture.

Professor ALLEN: Metallurgy; Assaying.

Professor DUBOIS: Dynamical Engineering.

#### 8. *Fine Arts.*

For the instruction open to Graduates in the School of the Fine Arts, see page 72.

THE DEGREE OF MASTER OF ARTS is conferred on Bachelors of Arts of two years' standing or upwards, who have given to the Academical Faculty evidence of having made satisfactory progress in liberal studies after receiving their first degree.

Such evidence may be furnished by one year's systematic study (not professional) in New Haven, under the direction of the Academical Faculty, followed by an examination.

Such Bachelors of Arts of this College as may not choose to reside at the College for the prosecution of study, may show, at any time not less than three years after graduation, by their printed essays, or by submitting to special examinations, that they have spent a year in liberal (and non-professional) study, and are worthy of recommendation for this degree.

A committee of the Faculty is appointed (consisting, for the present year, of Professors NEWTON and WHEELER), to whom candidates for this degree must submit their proposed courses of study by the first of November in each year; and the evidence of a year's study must be submitted to the same committee by the first of the following June.

In the case of resident students, the charge for instruction will usually be one hundred dollars, with a fee of ten dollars for the degree. In the case of non-residents, the fee for examinations and the degree will usually be twenty-five dollars.

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THE DEGREES OF CIVIL AND DYNAMIC ENGINEER are conferred on Bachelors of Philosophy who have taken the first degree in Engineering study, and who pursue a higher course for at least two years, sustaining a final examination, and giving evidence of their ability to design important constructions, and make the requisite drawings and calculations. The fee for graduation is five dollars.

## UNDERGRADUATE ACADEMICAL DEPARTMENT

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ALL CANDIDATES FOR ADMISSION to the Freshman Class are examined in the following books and subjects:

Latin Grammar.

Sallust—Jugurthine war; or four books of Cæsar.

Cicero—seven Orations.

Virgil—Bucolics, Georgics, and first six books of the Æneid, including Prosody.

Arnold's Latin Prose Composition, to the Passive voice (first twelve chapters). It is suggested to teachers, in addition to the use of the work named, to connect simple exercises in making Latin, either oral or written, with all the Latin studies of their pupils throughout the preparatory course.

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Greek Grammar—with translation of English into Greek.

Xenophon—Anabasis, four books.

Homer—Iliad, three books, with Prosody.

Greek History.

The rules for pronunciation given in Hadley's Grammar are recommended as a guide. For Greek History, Dr. William Smith's or Fyffe's text-book, and for Greek Composition, Jones's Exercises or White's Lessons, are suggested.

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Higher Arithmetic—including the metric system of weights and measures.

Algebra—so much as is included in Loomis's Treatise, up to the chapter on Logarithms.

Euclid—first two books. [The first, third, and fourth books of Davies's Legendre's Elements of Geometry, or of Loomis's Elements of Geometry, may be offered instead of Euclid.] In Geometry, the candidate must be prepared on the principles of construction, as he will be required to draw the figures for the demonstration of propositions.

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English Grammar and Geography; a thorough knowledge of which is required.

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THE REGULAR EXAMINATION FOR ADMISSION to College is held at Graduates' Hall, New Haven, on the Friday, Saturday, and Monday following Commencement (June 27, 28, 30, 1879): *attendance is required at the beginning of the examination, at 9 A. M., on Friday*; those candidates will be detained until Monday, whose examination cannot, for any reason, be finished on Saturday. The examination is partly oral and partly written; copies of papers recently given (covering only the *written* portion of the examination) will be sent on application.

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In 1879 examinations for admission to the Freshman Class (but not to higher classes) will also be held in Chicago and in Cincinnati (beginning on Friday, June 27, at 9 A. M.) at a place to be announced in the local newspapers of the day previous. These examinations will be wholly in writing. Candidates who propose to be present are requested to send their names to the Secretary before June 15. A fee of five dollars will be charged for admission to these examinations.

A second examination (for those who cannot attend the first) is held in New Haven at the beginning of the College year, on Tuesday and Wednesday (Sept. 9, 10, 1879): candidates for this examination must be present at Graduates' Hall at 9 A. M. on Tuesday.

Persons applying to be examined at other times must first obtain special permission from the Faculty, and pay to the Treasurer a fee of ten dollars. In general, no examinations for admission to the Freshman Class can be held before Commencement, or during vacation.

ADVANCED STANDING—All candidates for advanced standing, *whether from other Colleges or not*, are examined, in addition to the preparatory studies, in those already pursued (see next page) by the Class which they wish to enter. In the several languages, for the particular books studied by the Class, equivalent amounts may be offered from other books in the same language.

Bachelors of Arts or of Philosophy of any institution may join the Senior Class without examination, as candidates for the degree of Doctor of Philosophy after three years' study. (See p. 47.)

No one can be admitted to the Senior Class after the beginning of the second term.

AGE—No one can be admitted to the Freshman Class till he has completed his fifteenth year, nor to an advanced standing without a corresponding increase of age.

TESTIMONIALS—Satisfactory testimonials of good moral character (preferably from the last principal instructor) are in all cases required, before a certificate of admission is granted; and students from other Colleges must present certificates of dismissal in good standing.

BOND—Every person must give to the Treasurer, on being admitted, a bond, executed by his parent or guardian, for five

hundred dollars, as security for the payment of all charges arising under the laws of the college. A blank form for this purpose will be furnished at the time of admission.

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### COURSE OF INSTRUCTION.

THE COURSE OF INSTRUCTION occupies four years. In each year there are two terms.

The following is a scheme of the studies, or, more correctly, of equivalents which will be accepted from candidates, for advanced standing:—

#### FRESHMAN YEAR:

FIRST TERM—*Greek*—Homer's *Odyssey*, begun. *Latin*—Livy, begun; Cicero's Second Philippic; Arnold's *Latin Composition* (to page 150). *Mathematics*—Loomis's *Algebra*; Todhunter's *Euclid*; Chauvenet's *Geometry*. *Hygiene*—Lectures.

SECOND TERM—*Greek*—Homer's *Odyssey*, continued through four books; Herodotus, continued through half of the first book; Arnold's *Greek Composition*. *Latin*—Livy, continued through one book; Cicero *de senectute*; Ovid, Ramsay's *Selections*; Roman Antiquities. *Mathematics*—Chauvenet's *Geometry*; Richards's *Plane Trigonometry*. *Rhetoric*—Recitations and Lectures. Compositions.


#### SOPHOMORE YEAR:

FIRST TERM—*Greek*—Six Orations of Demosthenes. *Latin*—Odes of Horace; Agricola of Tacitus. *Mathematics*—Richards's *Plane Trigonometry*. *Rhetoric*—Lectures on Composition. Compositions.

SECOND TERM—*Greek*—Prometheus of Æschylus; Xenophon's *Memorabilia*, one book; Antigone of Sophocles; Plato's *Apology of Socrates and Crito*. *Latin*—Satires and Epistles of Horace; Satires of Juvenal; Cicero *de officiis*. *Mathematics*—Spherical Trigonometry; Loomis's *Conic Sections*; Loomis's *Analytical Geometry*; Mechanics. *Rhetoric*—Lectures on Elocution, with practice. Declamations. Compositions.

#### JUNIOR YEAR:

FIRST TERM—*Physics*—Ganot's *Physics*. *German*—Whitney's *Grammar and Reader*; German Composition. *English*—Shakespeare, Spenser; Forensic Disputations. *Chemistry*—Barker's *Chemistry*; Lectures.



For optional studies (*Latin, Greek, Mathematics, French, English*) see below.

SECOND TERM—*Natural Philosophy*—Ganot's Physics. Lectures. *English*—Chaucer, Recitations. Forensic Disputations. *German*—Whitney's Grammar and Reader; German Composition. *Zoology*—Huxley's Physiology. Laboratory Practice. *Astronomy*—Loomis's Astronomy, to Chapter x. *Logic*—Jevons's Logic.

For optional studies (*Latin, Greek, Mathematics, French, English, Anglo-Saxon, Zoology, Botany*) see below.

#### SENIOR YEAR.

FIRST TERM—*Mental Philosophy*—Porter's Human Intellect. Lectures. *Geology*—Dana's Geology. *Political Science*—Fawcett's Political Economy. Lectures. *Rhetoric*—Compositions.

For optional studies (*Latin, Greek, French, German, Sanskrit, Mathematics, Astronomy, Mineralogy, European History*) see below.

SECOND TERM—*Natural Theology and Evidences of Christianity*—Lectures. *Moral Philosophy*—Recitations. Lectures. *History of Philosophy*—Schwegler's History. *History*—Hallam's Constitutional History. Lectures. *Evolution and Cosmogony*—Lectures. *Rhetoric*—Compositions. *Political and Social Science*—Recitations. Lectures. *International Law*—Woolsey's International Law. *Elements of Jurisprudence and American Constitutional Law*—Lectures.

For optional studies (*Philosophy, Latin, Greek, French, German, Sanskrit, Linguistics, Mathematics, Physics, Meteorology, Geology, Palaeontology, American History, Political Science*) see below.

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OPTIONAL STUDIES—Every student is required to have four exercises a week in an optional study, during Junior and Senior years. Change from one optional to another is allowed at the end of Junior year, and also to a new optional whenever one is begun. In cases where an optional is withdrawn before the end of the year, any of the other optionals may be chosen in its place, provided the instructor is upon examination satisfied of the student's fitness to enter the class. Any student who can on examination show thorough acquaintance, in advance, with one or more of the required studies of Junior or Senior year, may choose instead a second optional. The following courses of optional studies are provided.

#### I. PHILOLOGY.

1. ANCIENT LANGUAGES: (a) GREEK, through Junior and Senior years, four exercises a week, with Professor Packard; the Republic of Plato. (b)

LATIN, through Junior and Senior years, with Professor Thacher, four exercises a week. (c) SANSKRIT, through Senior year, with Professor Whitney, two double exercises a week.

2. MODERN LANGUAGES AND LITERATURE: (a) FRENCH, through Junior and Senior years, four exercises a week, with Professor Coe; in Junior year, French Composition, Modern French Authors; in Senior year, French Composition, Corneille, Racine, Molière, Boileau, LaFontaine. A knowledge of the elements of the French language is required of students who choose French as an optional study in Junior year. The examination may be passed at the time of the Sophomore annual examination, or at the beginning of Junior year, and will be upon Chardenal's First French Course. (b) GERMAN, through Senior year, four exercises a week, with Professor Carter; Schiller's *Die Piccolomini*, Goethe's *Iphigenie*, selections from Goethe's Prose, Lessing's *Nathan der Weise*, German Composition. (c) ANGLO-SAXON, through the second term of Junior year, with Professor Beers, four exercises a week; Sweet's *Anglo-Saxon Reader*. (d) ENGLISH LITERATURE, through Junior year, with Professor Beers, four exercises a week; Mätzner's *Alt-Englische Sprachproben*; Skeat's *Specimens of English Literature*; Lectures.

3. LINGUISTICS: Through the first half of the second term of Senior year, two exercises a week, with Professor Whitney.

## II. INTELLECTUAL PHILOSOPHY.

With President Porter, through the second term of Senior year, two exercises a week.

## III. HISTORY AND POLITICAL SCIENCE.

1. EUROPEAN HISTORY, through the first term of Senior Year, with Professor Wheeler, four exercises a week; Hallam's *Middle Ages*.

2. AMERICAN HISTORY, through the second term of Senior year, with Professor Dexter, two exercises a week; Bancroft's *History of the United States*.

3. POLITICAL ECONOMY, through the second term of Senior year, with Professor Sumner, two exercises a week.

## IV. MATHEMATICS AND ASTRONOMY.

1. MATHEMATICS, through Junior and Senior years, four exercises a week, with Professor Newton; Loomis's *Calculus*, followed by *Analytical Mechanics* or *Higher Geometry*.

2. ASTRONOMY, through the first term of Senior year, four exercises a week, with Professor Loomis; Loomis's *Astronomy*.

## V. MOLECULAR AND TERRESTRIAL PHYSICS.

1. PHYSICS, through the second term of Senior year, two exercises a week, with Professor A. W. Wright.

2. METEOROLOGY, through the second term of Senior year, four exercises a week; Loomis's *Meteorology*.



## IV. NATURAL SCIENCE AND GEOLOGY.

1. ZOOLOGY, through the second half of the second term of Junior year, four exercises a week, with Mr. J. K. Thacher.
2. MINERALOGY AND MATHEMATICAL CRYSTALLOGRAPHY, through the first term of Senior year, with Professor Dana, four exercises a week ; Dana's Text-Book.
3. GEOLOGY, through the first half of the second term of Senior year, with Professor Dana, four exercises a week ; Dana's Manual.
4. PALÆONTOLOGY, through the second half of the second term of Senior year, with Mr. J. K. Thacher ; Dana's Manual of Geology. [Geology and Palæontology make together one course ; those taking this course must have first taken the course in Mineralogy and Crystallography.]
5. BOTANY, through the second half of the second term of Junior year, with Professor Eaton, four exercises a week.

EXERCISES IN DECLAMATION AND COMPOSITION—The Senior Class have exercises in English composition, and the Junior Class, in forensic disputation, through the year. The Sophomore Class during the whole year, and the Freshman Class, during the latter half of the second term, have exercises in English composition.

The Sophomore Class have regular exercises in elocution ; and once a week, during a part of the year, have an exercise in declamation before the Professor of Rhetoric and the members of the Class.

PUBLIC EXAMINATIONS are held at the close of the first and at the middle of the second term, on the studies of the term and half-term ; and, at the close of the year, on all the studies of the year. The annual examinations are conducted wholly in writing, and continue for about two weeks.

VOCAL MUSIC—Gratuitous instruction in Vocal Music is given during a part of the year (the exercises being open to members of all the Departments of the College), subject, however, to a small charge for fire and lights.

## TERMS AND VACATIONS.

THE PUBLIC COMMENCEMENT is held on the Thursday after the last Wednesday in June. The first term begins eleven weeks from Commencement-day and continues fourteen weeks ; the second term begins on the second Thursday in January and continues until Commencement-day, with a spring recess—usually of eight days—including Easter. (See Calendar, p. 4.) The exercises of each term begin with prayers in the Chapel on Thursday morning.

LEAVE OF ABSENCE—No student is allowed to be absent without special leave, except in the vacations.

### PUBLIC WORSHIP.

PRAYERS are attended in the Battell Chapel every morning, with reading of the Scriptures and singing, and all the students are required to be present.

PUBLIC WORSHIP is held in the Chapel on Sundays, at which all the students are required to attend, except such as have special permission to attend the worship of other denominations, to which their parents belong. Such permission can be obtained only on presenting to the President a written request therefor from the parent or guardian.

### GYMNASIUM.

THE GYMNASIUM is designed to provide all the students with opportunities for exercise. Those who use the bath-rooms pay a small fee for tickets.

### EXPENSES.

THE TREASURER'S BILLS are made out three times a year, viz., at the close of the first term, at the middle and at the close of the second term, at which times they are payable. The bills must be paid within two weeks after the beginning of the succeeding term or half-term, or the student is liable to be prohibited from reciting. Drafts on Boston, New York, and Philadelphia will be received at par.

The annual charge for tuition and incidentals is \$140.

For the rent and care of a half-room in the College buildings, the average charge is thirty-five dollars per year.

OTHER CHARGES—There are additional charges at graduation, amounting to eighteen dollars. If a student occupies a room alone, the charge for rent and care is ordinarily double that stated above.

ABSENCE ON LEAVE—A student who is absent from College on account of sickness, or for any other cause, and still retains his place in his class, pays full tuition during such absence.

BOARD is obtained at prices varying from three dollars and a half to seven dollars a week. The average price is about five dollars.

ROOMS—There are in the College buildings above two hundred rooms occupied by students, at prices varying (according to location) from \$25 to \$140 per year, not including vacations.

Students living out of College are not allowed to room in any building in which a family does not reside, except by special permission of the Faculty.

**FURNITURE, BOOKS, ETC.**—Students provide for themselves furniture, fuel, lights, and text-books; if books and furniture are sold when the student has no further necessity for them, the expenses incurred by their use will not be great.

**NECESSARY EXPENSES**—The following may be considered a near estimate of the *necessary* annual expenses, for a student occupying a half-room in College, without including apparel, traveling, and board in vacations:—

Treasurer's bill (according to location of room), from	\$160	to	\$220
Board, 37 weeks, - - - - -	"	130	to 260
Fuel, lights, and washing, - - - - -	"	30	to 60
Use of text-books and furniture, - - - - -	"	30	to 60
Total, - - - - -	\$350		\$600

**COLLEGE GUARDIAN**—As a precaution against extravagance, parents at a distance sometimes deposit funds with one of the Faculty; who, in that case, attends to the pecuniary concerns of the student, settles his bills, corresponds with the parent, and transmits an account of expenditures, for which services he charges a commission.

#### BENEFICIARY AID.

The sum of \$12,000 and upwards, derived partly from permanent charitable funds, is annually applied by the Corporation for the relief of students who need pecuniary aid, especially of those preparing for the Christian ministry. About one hundred thus have their tuition either wholly or in part remitted. Students needing such aid should apply to the President before November 1st in each College year. Assistance will be withdrawn from students who incur serious College censure, or who fail to maintain a reputable scholarship.

**THE HARMER FOUNDATION OF SCHOLARSHIPS** comprises six scholarships, each yielding one hundred dollars a year, to be given to deserving students of small means.

There are also eighteen other Scholarships, most of them yielding sixty dollars a year, which may be given to such students as shall be selected by the founders or the Faculty.

Students who need to avail themselves of the use of the Benevolent Library are supplied gratuitously with many of the text-books used in the College course.

#### FELLOWSHIPS AND SCHOLARSHIPS.

THE DOUGLAS FELLOWSHIP, with an income of at least six hundred dollars a year, was founded in 1873 by Mrs. Samuel Miller, of New Haven, and named in memory of her brothers, Rev. Sutherland Douglas (Y. C. 1822) and George H. Douglas (Y. C. 1828). The incumbent, who must be a recent graduate of the Academical Department, pursuing non-professional studies in New Haven, is elected annually, but may not hold the fellowship for more than three years.

THE SOLDIERS' MEMORIAL FELLOWSHIP, with an annual income of six hundred dollars, was founded in 1875 by Mrs. Theodosia D. Wheeler, of New Haven, in honor of the alumni who fell in battle as Union soldiers, in the war of 1861-1865, and in especial remembrance of William Wheeler, of the class of 1855. The incumbent must be at the time of his election a graduate of the Academical Department, of not more than three years' standing. He shall reside in New Haven, pursuing non-professional studies, and may hold the Fellowship for a period not exceeding five years.

THE BERKELEY SCHOLARSHIP, yielding about forty-six dollars a year, is awarded to the student in each Senior class who passes the best examination in the Greek Testament (Pauline Epistles), the first book of Thucydides, the first six books of Homer's Iliad, Cicero's Tusculan Questions, Tacitus (except the Annals), and Horace; provided he remain in New Haven as a graduate, one, two or three years.

THE CLARK SCHOLARSHIP, yielding one hundred and twenty dollars a year, is awarded in each Senior Class to the applicant who has passed the best examinations in the studies of the College course; provided he remain in New Haven one or two years immediately after graduation, pursuing a course of study (not professional) under the direction of the Faculty.

THE LARNED SCHOLARSHIP, yielding three hundred dollars a year, and tenable for three years, is awarded in each Senior Class. The incumbent must reside in New Haven, pursuing a course of advanced study subject to the direction of the Faculty.

THE BRISTED SCHOLARSHIP, yielding about one hundred and fourteen dollars a year, is awarded, whenever there is a vacancy, to the student in the Sophomore or Junior Class who passes the best examination in the classics and mathematics. The successful candidate receives the annuity (forfeiting one-third in case of non-residence) until the end of the third year after graduation.

THE WOOLSEY SCHOLARSHIP, yielding sixty dollars a year, is awarded to the student in each Freshman Class, who passes the best examination in Latin composition (excellence in which is essential to success), in the Greek of the year, and in the solution of algebraic problems. The successful candidate receives the annuity, under certain conditions, during the four years of his College course. The student who stands second at this examination receives for one year the income of the HURLBUT SCHOLARSHIP; and the student who stands third, the income for one year of the THIRD FRESHMAN SCHOLARSHIP. The income of each of these Scholarships is sixty dollars.

THE W. W. DEFOREST SCHOLARSHIP, yielding one hundred and twenty dollars, is awarded to a student in each Senior Class who has attained distinction in the study of French while in College, provided he remain in New Haven the year after graduation, pursuing a further course of study in the Romance languages under the direction of the Faculty.

#### PREMIUMS.

THE DEFOREST PRIZE MEDAL, of the value of \$100, is awarded "to that scholar of the Senior Class who shall write and pronounce an English Oration in the best manner."

THE TOWNSEND PREMIUMS, five in number, of twelve dollars each, are awarded in the Senior Class for the best specimens of English Composition.

THE SENIOR MATHEMATICAL PRIZES (the first consisting of a gold medal of the value of ten dollars and of ten dollars in money, the second of ten dollars in money) are offered to the Senior class for the best solutions of problems in both abstract and concrete mathematics.

COLLEGE PREMIUMS are offered to the Senior Class for the solution of problems in Practical Astronomy.

THE WINTHROP PRIZES (one of two hundred dollars and one of one hundred dollars) are offered to the Junior Class "for

the most thorough acquaintance with the Greek and Latin poets," as shown at an examination during the latter half of the second term.

COLLEGE PREMIUMS are given in the Sophomore Class for English composition, and for declamation, and in the Sophomore and Freshman Classes for the solution of mathematical problems.

THE SCOTT PRIZE for excellence in German is offered to the Senior Class, and the SCOTT PRIZE for excellence in French to the Junior Class; these prizes are of the value of thirty dollars each, and are given in books.

BERKELEY PREMIUMS for Latin Composition are offered to the Freshman Class near the end of the year.

THE JOHN A. PORTER PRIZE, of two hundred and fifty dollars, is offered at each Commencement for the best English Essay. Any person who has been studying for a degree in any department of the University during the entire College year may compete for this prize.

#### DEGREES.

The degree of BACHELOR OF ARTS is conferred by the Corporation on those persons who have completed the course of academical exercises, as appointed by law, and have been approved on examination at the end of the course as candidates for the same. Candidates are required to pay their dues to the Treasurer as early as the Monday before Commencement.

For the degrees of Master of Arts and Doctor of Philosophy, see pages 47, 50.

## SHEFFIELD SCIENTIFIC SCHOOL

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THE SHEFFIELD SCIENTIFIC SCHOOL is devoted to instruction and researches in the mathematical, physical, and natural sciences, with reference to the promotion and diffusion of science, and also to the preparation of young men for such pursuits as require special proficiency in these departments of learning.

The School, begun in 1847, and reorganized upon a more extensive scale in 1860, received in 1863, by the act of the Connecticut Legislature, the national grant for the promotion of scientific education under the Congressional enactment of July, 1862. It thus became in consequence the "College of Agriculture and the Mechanic Arts" of Connecticut.

OFFICERS AND INSTRUCTORS—Upon the Governing Board, consisting of the professors permanently attached to the School, devolves its internal management and the greater part of the instruction. In addition to these, and the instructors employed during the current year (mentioned on p. 38), instruction is given in Elementary and Free-hand Drawing by Professor Niemeyer, of the School of the Fine Arts.

The Board of State Visitors consists of the Governor, Lieutenant-Governor, three senior Senators, and the Secretary of the Board of Education.

The Board of Councilors, invited by the Corporation to advise and assist in the progress of the School, are as follows: Hon. J. E. ENGLISH, of New Haven; Hon. M. JEWELL, of Hartford; Hon. J. R. HAWLEY, of Hartford; Hon. O. F. WINCHESTER, of New Haven; JOSEPH E. SHEFFIELD, Esq., of New Haven; Professor J. D. DANA, of New Haven; HENRY FARNAM, Esq., of New Haven; M. DWIGHT COLLIER, M.A., of St. Louis; Hon. WILLIAM E. DODGE, of New York City.

The instruction is intended for two classes of students:—

I.—Graduates of this or other Colleges, and other persons qualified for advanced or special study.

II.—Undergraduates who desire a training, chiefly mathematical and scientific, in part linguistic and literary, for higher scientific studies, or for other occupations to which such training is suited.

## INSTRUCTION FOR GRADUATE AND SPECIAL STUDENTS

Persons who have gone through undergraduate courses of study, here or elsewhere, may avail themselves of the facilities of the School for more special professional training in the physical sciences and their applications, gaining in one, two or three years the degree of BACHELOR OF PHILOSOPHY, or, in two additional years of Engineering study, that of CIVIL ENGINEER or DYNAMIC ENGINEER.

Or, engaging in studies of a less exclusively practical character, they may become candidates for the degree of DOCTOR OF PHILOSOPHY, under the conditions already stated (see p. 47). The instruction in such cases will be adapted to the particular needs and capacities of each student, and may be combined with that given by the graduate instructors in other departments. The list of graduate studies pursued, either wholly in the Scientific School, or conjointly with other departments, will be found on pp. 49-50.

SPECIAL STUDENTS—For the benefit of those who, being fully qualified, desire to pursue particular studies without reference to the obtaining of a degree, special or irregular students are received in most of the departments of the School; not however, in the Select Course, nor in the Freshman Class.

It should be distinctly understood that these opportunities are not offered to persons who are incompetent to go on with regular courses, but are designed to aid those who have received a sufficient preliminary education elsewhere to increase their proficiency in special branches.

## INSTRUCTION FOR UNDERGRADUATE STUDENTS.

TERMS OF ADMISSION—Candidates must be not less than fifteen years of age, and must bring satisfactory testimonials of moral character from their former instructors or other responsible persons.

For admission to the Freshman Class the student must pass a thorough examination in the following subjects:

*English*—including grammar, spelling and composition. In grammar, Whitney's Essentials of English Grammar, or an equivalent.  
*History of the United States.*  
*Geography.*



*Latin*—six books of Cæsar's Commentaries, or their equivalent, and simple exercises in prose composition.

*Arithmetic*—including the metric system of weights and measures.

*Algebra*—So much as is contained in Loomis's Treatise, up to the general theory of equations.

*Geometry*—Plane, solid and spherical; including fundamental notions of symmetry, and examples of loci and of maxima and minima of plane figures:—an equivalent of the nine books of Chauvenet's Treatise, or to the ten books of Loomis's Elements and the Appendix, up to the section on Transversals.

*Trigonometry*—including the analytical theory of the trigonometrical functions, and the usual formulæ; the construction and use of trigonometrical tables; and the solution of plane triangles;—so much, for example, as is contained in Wheeler's Plane Trigonometry (Boston, 1877), or Richards's Plane Trigonometry (New York, 1878).

Candidates will be allowed the option of passing on the above-named subjects in two successive years. In such a case they must present themselves for examination at the June examination of the first year in the following subjects or parts of subjects: *History of the United States, Geography, Arithmetic, Plane Geometry, and Algebra to Quadratic Equations.*

In order to have this preliminary examination counted, candidates must pass satisfactorily on *all* the subjects; and notice must be given of the intention to divide the examination to Professor G. J. Brush, Executive officer of the School, on or before June 15.

In his preparation in GEOMETRY the candidate should, as far as practicable, have suitable exercises in proving simple theorems and solving simple problems for himself. It is important, too, that he should be accustomed to the numerical application of geometric principles, and especially to the prompt recollection and use of the elementary formulæ of mensuration. In TRIGONOMETRY he should be exercised in applying the usual formulæ to a variety of simple reductions and transformations, including the solution of trigonometrical equations. Readiness and accuracy in trigonometrical calculations are also of prime importance to the candidate. If the use of logarithms is postponed in his preparation till Trigonometry is taken up (which is by no means necessary or advisable), he should then have abundant applications of them to all forms of calculation occurring in ordinary practice, as well as to those appearing in the solution of triangles. Finally, in all of his calculations, he should study the art of neat, orderly, and readily intelligible arrangement.

In LATIN, in order to secure the attainment of the required proficiency, the student should have such continued training in parsing as shall make him thoroughly familiar with declensions and conjugations, and accurate

and ready in the application of the rules of syntax. As an additional guarantee of the proper mastery of these grammatical elements, the requirement has been adopted of "simple exercises in prose composition." By this is meant, merely, such a course of elementary exercises in translation, orally and in writing, from English into Latin as, in connection with the systematic parsing just mentioned, shall necessitate a familiarity with grammatical forms and the leading principles of syntax, and thus render the reading of the six books of Cæsar (or their equivalent) more thorough and fruitful. Since this course of elementary exercises in translation is designed as a preparation for reading, and not as a sequel to it, it should be invariably begun at the earliest stage of the study of Latin. To avoid any misapprehension of the nature of the extent of the requirement, the following works are specifically named, among which the candidate for examination may make his own selection. These are Harkness' "Introduction to Latin Composition," 112 pages; Leighton's "Latin Lessons," 91 pages; Smith's "Principia Latina," Part I.; or McClintock's "First Latin Book," 83 lessons (193 pp.). Any equivalent of these may be offered from the many useful books of a similar character. A knowledge of Prosody is not required.

The examinations for admission take place at North Sheffield Hall, on Friday and Saturday, June 27, 28, and on Tuesday and Wednesday, September 9, 10, 1879. Opportunities for private examinations may, in exceptional cases, be given at other times.

In 1879 examinations will also be held in Chicago and in Cincinnati (beginning on Friday, June 27, at 9 A. M.), at a place to be announced in the local newspapers of the day previous.

Candidates for advanced standing in the undergraduate classes are examined, in addition to the preparatory studies, in those already pursued by the class they wish to enter. No one can be admitted as a candidate for a degree, later than at the beginning of the Senior year.

THE COURSES OF INSTRUCTION, occupying three years, are arranged to suit the requirements of various classes of students. The first year's work is the same for all; for the last two years the instruction is chiefly arranged in special courses. The special courses most distinctly marked out are the following:—

- |   |                            |
|---|----------------------------|
| (a.) In Chemistry;  | (b.) In Civil Engineering; |
| (c.) In Dynamical (or Mechanical) Engineering;              |                            |
| (d.) In Agriculture;  | (e.) In Natural History;   |
| (f.) In Biology preparatory to Medical Studies;             |                            |
| (g.) In studies preparatory to Mining and Metallurgy;       |                            |
| (h.) In Select studies preparatory to other higher studies. |                            |

The arrangement of the studies is indicated in the annexed scheme.

#### FRESHMAN YEAR—INTRODUCTORY TO ALL THE COURSES.

FIRST TERM—*German*—Whitney's Grammar and Reader. *English*—Hadley's Brief History of the English Language; Exercises in Composition. *Mathematics*—Analytical Geometry. *Physics*—Atkinson's Ganot, with experimental lectures. *Chemistry*—Recitations and Laboratory practice. *Elementary Drawing*—Practical Lessons in the Art School.

SECOND TERM—*Language, Physics, and Chemistry*—as stated above. *Mathematics*—Spherical Trigonometry (Wheeler's); Elements of Mechanics. *Physical Geography*—Lectures. *Botany*—Gray's Lessons, with Lectures. *Political Economy*—Elementary Lectures. *Drawing*—Elementary Projection Drawing; Isometric Drawing; Descriptive Geometry commenced.

For the Junior and Senior years the students select for themselves one of the following courses:—

#### (a.) IN CHEMISTRY.

##### JUNIOR YEAR:

FIRST TERM—*Theoretical and Organic Chemistry*—Lectures. *Qualitative Analysis*—Fresenius. *Laboratory Practice*. *Blowpipe Analysis*. *German*. *French*.

SECOND TERM—*Laboratory Practice*—Quantitative Analysis. *Mineralogy*—Blowpipe Analysis and Determination of Species. Lectures. *French*. *German*.

##### SENIOR YEAR:

FIRST TERM—*Laboratory Practice*—Volumetric and Organic Analysis. *Geology*—Dana's. *Zoology*—Lectures and Excursions. *French*.

SECOND TERM—*Laboratory Practice*—Mineral Analysis and Assaying. *Agricultural Chemistry*—Recitations and Lectures (optional). *Geology*—Dana's Manual. *Metallurgy* (optional). *Mineralogy* (optional). *French*.

#### (b.) IN CIVIL ENGINEERING.

##### JUNIOR YEAR:

FIRST TERM—*Mathematics*—Elements of the Theory of Functions; Numerical Equations; Differential Calculus. *Surveying*—Field Operations. *Drawing*—Descriptive Geometry, continued, including Warped Surfaces. *German*. *French*.

SECOND TERM—*Mathematics*—Integral Calculus. Rational Mechanics. *Drawing*—Shadows, Perspective, and Gearing. Topographical. *Surveying*—Topographical. *German*. *French*.

## SENIOR YEAR :

FIRST TERM—*Field Engineering*—Laying out Curves. Location of line of Railroad, with calculations of Excavation and Embankment. Hencks' Field Book for Railroad Engineers. *Civil Engineering*—Resistance of Materials. Bridges and Roofs commenced. Stone Cutting—with graphical problems. *Geology*—Dana's. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *French*.

SECOND TERM—*Civil Engineering*—Bridges and Roofs. Building Materials. Stability of Arches and Walls. Mahan's Civil Engineering. *Dynamics*—Principles of Mechanism. Steam Engine. *Hydraulics*—Hydraulics and Hydraulic Motors. *Drawing*—Graphical Statics. *Astronomy*—Loomis's Astronomy, with practical problems. *Mineralogy*—continued. *Geology*—Dynamic. *French*.

## (c.) IN DYNAMIC ENGINEERING.

## JUNIOR YEAR :

FIRST TERM—*Mathematics*—Elements of the Theory of Functions ; Numerical Equations ; Differential Calculus. *Surveying*—Field Operations. *Drawing*—Descriptive Geometry, continued, including Warped Surfaces. *German*. *French*.

SECOND TERM—*Mathematics*—Integral Calculus. Rational Mechanics. *Drawing*—Shadows, Perspective, and Gearing. General Theory of Motion, and Principles of Mechanism. *German*. *French*.

## SENIOR YEAR :

FIRST TERM—Principles of Mechanism. Applications of the Principles of Mechanism to Machinery. Machine Construction. Blowpipe Analysis. Resistance of Materials. Construction of roof trusses, girders, and iron bridges. Machine Drawing. *Geology*. *French*.

SECOND TERM—General principles of Heat employed as a source of power. The construction of Steam Generators. Steam Engines. Hot Air Engines. Water Engines. Water Wheels. The Construction of Water Reservoirs, and Conduits. Measurement of Water Supply. Discharge of Pipes, etc. Graphical Statics. Machine Designing. *Metallurgy*.

## (d.) IN AGRICULTURE.

## JUNIOR YEAR :

FIRST TERM—*Theoretical and Organic Chemistry*—Lectures. *Qualitative Analysis*—Fresenius. *Laboratory Practice*. *Blowpipe Analysis*. *German*. *French*.

SECOND TERM—*Laboratory Practice*—Quantitative Analysis. *Mineralogy*.—Blowpipe Analysis and Determination of Species. *Physical Geography*—Lectures. *Botany*—Lectures. *French*. *German*.

## SENIOR YEAR :

FIRST TERM—*Agriculture*—Cultivation of the Staple Crops of the Northern States. Tree Planting and Forestry. *Agricultural Chemistry*—Johnson's. *Physiology*—Huxley's. *Geology*—Dana's. *Zoology*. *English*. *French*.

SECOND TERM—*Agriculture*—Laws of Heredity and Principles of Breeding. Lectures. *Geology*—Dana's. *Rural Economy*—History of Agriculture and Sketches of Husbandry in Foreign Countries. Systems of Husbandry. *Agricultural Chemistry*—Johnson's. *Geology*—Dana's. *Zoology*. *Botany*. *Microscopy*. *English*. *French*.

## (e.) IN NATURAL HISTORY.

(Either Geology, Mineralogy, Zoology, or Botany, may be made the principal study, some attention in each case being directed to the other three branches of Natural History.

## JUNIOR YEAR :

FIRST TERM—*Chemistry*—Qualitative Analysis. Laboratory Practice. Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Botany*—Gray's Manual ; Use of the Microscope. *German*. *French*.

SECOND TERM—*Zoology*—Laboratory Practice. Excursions (land and marine). *Botany*—Laboratory Practice. Thomé's Text-book. Excursions. *Mineralogy*—continued. *Physical Geography*. *German*. *French*.

## SENIOR YEAR :

FIRST TERM—*Geology*—Dana's. Excursions. *Zoology*—Laboratory Practice. Lectures. Excursions. *Botany*—Herbarium Studies. Excursions. *Physiology*—Huxley's. *French*.

SECOND TERM—*Geology*—Dana's. *Anatomy of Vertebrates*—Huxley's. *Zoology*—Laboratory Practice. Lectures. *Botany*—Herbarium Studies, especially in the Cryptogamous Orders. Botanical Literature. Essays in Descriptive Botany. *Meteorology*. *French*.

Besides the regular courses of recitations and lectures on structural and systematic Zoology and Botany, and on special subjects, students are taught to prepare, arrange, and identify collections, to make dissections, to pursue original investigations, and to describe genera and species in the language of science. For these purposes, large collections in Zoology and Palæontology belonging to the College are available, as are also the private botanical collections of Professor Eaton.

## (f.) IN BIOLOGY—PREPARATORY TO MEDICAL STUDIES.

During the Junior year, the work of this course is chiefly under the direction of the instructors in Chemistry. Especial attention is given to qualitative and quantitative analysis, in their physiological and medical bearings ; and to the preparation and study of the organic proximate elements. In Toxicology the organic and mineral poisons are carefully studied. The special studies of the Senior year are wholly biological, particular attention being

paid to the elements of comparative anatomy, histology, and physiology, to structural and physiological botany, and to systematic zoology. Instruction is also given in embryology, the laws of heredity, and human parasites. The order of studies is as follows:

#### JUNIOR YEAR:

FIRST TERM—*Chemistry*—Qualitative Analysis—Fresenius'. Laboratory Practice. Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *German. French.*

SECOND TERM—*Physiological Chemistry*—Klein's Handbook. *Toxicology*—Fresenius'. Laboratory Practice. Recitations. Lectures. *Botany*—Lectures, Practical Exercises in Phenogamous Plants, and Excursions. *Mineralogy*—continued. *German. French.*

#### SENIOR YEAR:

FIRST TERM—*Comparative Anatomy and Histology*—Laboratory Practice. *Physiology*—Huxley's, with Practical Exercises. *Botany*—Practical Exercises, Lectures and Excursions. *Geology*—Dana's Manual. *Zoology*—Lectures and Excursions. *French.*

SECOND TERM—*Comparative Anatomy and Histology*—Laboratory Practice and Recitations. *Botany*—Lectures. Laboratory Practice in Cryptogamia, etc. *Geology*—Dana's Manual. *Zoology*—Lectures. *Laws of Heredity and Principles of Breeding*—Lectures. *French.*

#### (g.) IN STUDIES PREPARATORY TO MINING AND METALLURGY.

Young men desiring to become Mining Engineers, can pursue the regular course in Civil or Mechanical Engineering, and at its close can spend a fourth year in the study of metallurgical chemistry, mineralogy, etc.

#### (h.) IN THE SELECT STUDIES PREPARATORY TO OTHER HIGHER STUDIES.

#### JUNIOR YEAR:

FIRST TERM—*Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Astronomy. English*—Early English. *History*—Freeman's Outlines. *French. German.*

SECOND TERM—*Mineralogy*—Lectures. *Physical Geography*—Guyot. Lectures. *Botany*—Lectures and Excursions and Laboratory Practice. *English*—Chaucer, Bacon, Shakespeare. *History*—Freeman's Outlines, with Lectures. *Political Economy*—Rogers's Manual. *German. French.*

#### SENIOR CLASS:

FIRST TERM—*Geology*—Recitations and Excursions. *Zoology*—Lectures and Excursions. *Linguistics*—Whitney's Life and Growth of Language. *English*—Shakespeare. *History*—Constitutional History of the United States. Lectures. *Political Economy*—Lectures. *French.*

SECOND TERM—*Geology*—continued. *Meteorology*—Lectures. *Political Economy*—Lectures. *English*—Shakespeare, Milton, Dryden, Pope, and later authors. *History*—Political History of U. S. History of Europe from 1848. Lectures. *French*.

Exercises in English Composition are required during the entire course from all the students. The preparation of graduating theses is among the duties of the Senior Year.

Lectures on Military Science and Tactics are annually given.

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THE TERMS AND VACATIONS correspond with those of the Academical Department. (See Calendar, p. 4.)

EXPENSES—The charge for tuition is \$150 per year, payable, \$55 at the beginning of the first and of the second term, and \$40 at the middle of the second term. The special student of Chemistry has an additional charge of \$70 per annum for chemicals and use of apparatus. He also supplies himself with gas, flasks, crucibles, etc., the cost of which should not exceed \$10 per term. A fee of \$5 is charged members of the Freshman Class for chemicals and materials used in their laboratory practice, and the same fee is required from all who take practical exercises in Blow-pipe Analysis and Determinative Mineralogy. A fee of \$5 a term is also charged to students in the Zoological Laboratory, for materials and use of instruments. An additional charge of \$5 is annually made to each student for the use of the College Reading Room and Gymnasium.

THE FEES for graduation as BACHELOR OF PHILOSOPHY, are \$10; unless the person taking the degree is also an academical graduate, when the fee is but \$5.

#### DEGREES.

THE DEGREE OF BACHELOR OF PHILOSOPHY is conferred on those who have completed one of the three-year courses, and have passed the examination at its close.

CIVIL AND DYNAMIC ENGINEER—See page 50.

DOCTOR OF PHILOSOPHY—See page 47.

## SCHOOL OF THE FINE ARTS

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THE COUNCIL of this Department consists of the following *ex-officio* members:—the President of the College, the President of the National Academy of Design, the President of the New York Museum of Art, and the Director of the School, who is also the Secretary; together with four regularly appointed Councilors, Mr. HENRY FARNAM, Mr. DONALD G. MITCHELL, Mr. EDWARD E. SALISBURY, and Mr. JOHN D. WHEELER.

THE FACULTY, on whom devolves the internal management of the School, consists of the President of the College, and the Professors whose names and departments of instruction are as follows:—JOHN F. WEIR, Professor of Painting, and Director of the School; JOHN H. NIEMEYER, Professor of Drawing. Other instructors are, FREDERIC R. HONEY, in Geometry and Perspective; JOHN P. C. FOSTER, M.D., in Anatomy. (The chairs of Sculpture and Architecture are unfilled.)

The School has for its end the cultivation and promotion of the Arts of Design, viz.; PAINTING, SCULPTURE, and ARCHITECTURE, both in their artistic and æsthetic aims, through practice and criticism. The aim is—

1st. To provide thorough technical instruction in the Arts of Painting, Sculpture, and Architecture.

2d. To furnish an acquaintance with all branches of learning relating to the History, Theory, and Practice of Art.

The courses of instruction provided under these heads—of Practice and Criticism—may be regarded as distinct, or correlative, embracing that practical and theoretical knowledge of art which is no less desirable for the critic than for the artist.

The course of technical instruction, covering three years, is arranged as follows:\*

\* No provision has yet been made for instruction in the departments of Sculpture and Architecture, but it is hoped that before long this will be provided.



*First Year*

DRAWING—from the flat: from the antique: from the living model.

PERSPECTIVE—descriptive Geometry: shadows and linear perspective: applications and examples.

LECTURES—the elements of form: principles of proportion.

*Second Year*

DRAWING—technical discipline: studies from the living model.

ANATOMY—the bones and articulations of the skeleton: the muscles and movements of the body: the anatomy of external forms.

PAINTING—technical discipline: studies from casts and still-life.

*Third Year*

PAINTING—technical practice: studies from the living model.

COMPOSITION—studies in color and chiaroscuro: design.

LECTURES—on the history, theory, and practice of art.

In the departments of Drawing and Painting the practice of the studio is based upon the study of the human form.

The course in drawing is supplemented by lectures on Form and Proportion.

The practice in painting is supplemented by lectures on Color, Chiaroscuro, and Composition.

Drawing is continued, without interruption, through the first half of the course, or until the student evinces that proficiency which will warrant advancement. Painting is continued through the remainder of the course. Students will be encouraged to remain in the School and pursue advanced studies after the three years' course is completed.

In PERSPECTIVE, instruction is given in the form of lectures; students will be required to work out the examples, or problems, and submit them for examination at the next meeting of the class. The subject has three divisions: the first is devoted to descriptive geometry and its application to projection drawing; the second to shadows and linear perspective; and the third to applications and problems. At the close of the course an examination is held, and the standing of the student determined.

In ANATOMY, instruction is likewise given in the form of lectures. This subject has also three divisions: the first is devoted to the bones and articulations of the skeleton; the second to the muscles and movements of the body; and the

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third to the anatomy of external forms. Students are required to draw, in detail, the parts under discussion by the lecturer, and submit the same for examination, at the next meeting of the class. At the close of the course the relative standing of the pupils is determined by examination.

A COURSE OF PUBLIC EVENING LECTURES will be delivered in the School, during the second term.

PRIZES may be competed for, both in Drawing and Painting, at the close of the course provided in these respective departments: (in drawing, a prize of twenty-five dollars for a study from the Antique, and fifty dollars for an approved study from the life; in painting, corresponding prizes of equal amounts;) but the necessary qualification includes, in drawing, an approved knowledge of perspective; and in painting, a requisite acquaintance with anatomy—as provided for by the instruction given in these branches.

DIPLOMAS are only accorded to those who remain through the full course, or pass the requisite examinations. If qualified, the student may enter advanced classes at once.

THE CHARGE FOR TUITION is thirty-six dollars for three months, *in advance*; and no student will be admitted for a shorter period. Undergraduate students, in any department of the University, are charged one-half the usual rate of tuition. Art-students are admitted *free* to all the lectures delivered in the School, whether public lectures or those in regular course; to the collections at all times; and are entitled to such privileges, under the usual restrictions, as are granted to students in the other departments of the College.

SPECIAL STUDENTS.—Pupils wishing to enter the School for a short term (of not less than three months), and desiring special instruction, may enter the following classes:—Elementary; Antique; Portrait (crayon, oil, or water-colors); Sketching and Etching; Composition (embracing still-life and costume); Life (drawing or painting); Anatomy; and Perspective.

THE LECTURE COURSE, embracing Anatomy, Perspective, History, Theory, and Practice of Art, may be attended by undergraduates, and others, not pupils of the School, at a charge of one-half the usual rate of tuition.

The School is open to both sexes but no student will be admitted under fifteen years of age.

The ART LIBRARY will be opened at specified hours for the use of students.

The COLLECTIONS embrace the "Jarves Gallery of Italian Art," numbering one hundred and twenty paintings; dating from the 11th to the 17th centuries; the "Trumbull Gallery" of original portraits and other works, by John Trumbull, numbering fifty-four pictures; a collection of portraits and works of contemporaneous art, numbering about one hundred pictures; together with about one hundred and fifty casts and marbles, the former from many of the best productions of ancient art. The Collections are open daily for the use of students, and to the public, during the winter, from 1 to 4 P. M.; and during the summer, when a special loan exhibition is organized, from 9 A. M. to 6 P. M. The proceeds of the exhibitions are applied to the purchase of material adapted to instruction, and to the incidental expenses of the School.

"Students' Season Tickets," at one dollar each, admitting the holders to the Exhibitions throughout the year, are furnished to students of all other departments of the College.

The Art School occupies a large and beautiful building, (erected for this object by the late Augustus Russell Street, of New Haven), containing commodious galleries well adapted to the purpose of an Art Museum, and for lectures; drawing, painting, and modeling rooms, designed for the instruction of classes; also library rooms and studios.

This department of the College is open to all who desire to avail themselves of its instructions, without restrictions, save as to age and general good character. Its aim is to embrace a wide field of usefulness in connection with the knowledge and promotion of art, and to offer every facility to the student both in the way of criticism and technical discipline.

The course of study, as at present constituted, embraces only that instruction which the School is now prepared to furnish practically and efficiently: this is subject to expansion with the growth of the means at the disposal of the Faculty.

All applications for admission to the school should be made through the Director. It is particularly desirable that these applications be made before October 1st.

## DEPARTMENT OF THEOLOGY

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THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Lecturer on Church Polity and American Church History, a Professor of Hebrew Literature and Biblical Theology, a Professor of Systematic Theology, a Professor of Homiletics and the Pastoral Charge, a Professor of Ecclesiastical History, and a Professor of Sacred Literature.

THE CONDITIONS OF ADMISSION are membership in some evangelical church, or other satisfactory evidence of Christian character, and a liberal education at some College, or such other literary acquisitions as may be considered an equivalent preparation for theological studies. Students of every Christian denomination, in case they are possessed of these qualifications, are admitted.

It is expected that every student will be promptly on the ground at the beginning of the session. Rooms are assigned in the order of application, but no room will be reserved for any applicant who neglects to appear, beyond one week after the opening of the term.

THE REGULAR COURSE OF INSTRUCTION occupies three years, and is arranged in the following order :

### JUNIOR YEAR :

Professor DAY will lecture on the Encyclopedia and Literature of Theology, and give instruction in Hebrew Grammar and Philology. Portions of the historical books of the Old Testament in the original will be carefully read and analyzed, and critical and exegetical dissertations presented by the class on points of special difficulty or importance.

Professor DWIGHT will give instruction in the exegetical study of the Greek New Testament. The course includes, in addition to the regular exegetical exercises, the critical investigation of the Greek text and the study of the subjects connected with the Introduction to the New Testament. Dissertations of a critical and exegetical character will, also, be prepared by the students and discussed in the presence of the class.

Professor HARRIS will lecture on Mental Philosophy with special reference to the study of Theology ; also on Natural Theology, the Evidences of Christianity, and the Inspiration of the Scriptures ; also, as incidental to these topics, on the various forms of Skepticism.

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## MIDDLE YEAR :

Professor HARRIS will lecture on Systematic Theology. This course will include a full and systematic investigation of the doctrines of Christianity, and of existing questions and controversies in respect to them. The lectures are accompanied by examinations and free discussions.

Professor FISHER will lecture on General Church History, including the following topics: an historical survey of the Old or Preparatory dispensation in its relation to Christianity; the establishment and spread of Christianity (including Missions and persecutions); Ecclesiastical Polity (including the rise and rule of the Papacy, and the Reformation); and the History of Christian Life and Worship.

Professor DAY will give instruction in Biblical Theology, with special reference to the progressive stages of Divine revelation, and the doctrinal results of the modern critical study of the Bible. He will also lecture on portions of the Hebrew Scriptures, especially the poetical and prophetic books.

Professor DWIGHT will continue to give instruction by lectures and recitations, in the exegetical study of the New Testament, especially the Pauline Epistles.

Dr. BACON will lecture on American Church History.

## SENIOR YEAR :

Professor HOPPIN will lecture on Sacred Rhetoric and Homiletics, and also on Pastoral Theology, including the office, qualifications, pastoral duties, and special work of the ministry; he will also take charge of the practical exercises in Preaching, and in the criticism of the style and delivery of Sermons.

Professor FISHER will lecture upon the history of Christian Doctrine and on Symbolical Theology, and students will be aided in pursuing historical investigations for themselves.

Dr. BACON will give a series of lectures on Church polity, with special reference to the polity and discipline of the Congregational Churches.

Professor DWIGHT will lecture on some topics of special interest connected with the different books of the New Testament.

Professor DAY will read, with those who wish to prosecute the study of Syriac, the Peshito version of the New Testament.

*Optional Studies in either Year :*

Professor DAY will read, free of charge, with those students who desire to become familiar with the theological literature of Germany and have made some progress in the language, some standard work in German on Christian doctrine, with critical remarks, and references to the ablest works on special topics. The grammatical study of the language may be pursued with the classes in the Sheffield Scientific School.

Professor WHITNEY will give instruction to those who desire it in Sanskrit.

Instruction in vocal music is given gratuitously to students who desire it. (See p. 56.)

The following courses of lectures in the Academical Department may be attended, free of charge, provided that they do not interfere with the regular studies of the Seminary: on *Intellectual and Moral Philosophy*, by President PORTER; on *Natural Philosophy*, by Professor LOOMIS; on *Evolution and Cosmogony*, by Professor DANA; on *History*, by Professor WHEELER; on *Political and Social Science*, by Professor SUMNER. Students may also be admitted to the various courses of lectures in the Sheffield Scientific School. Those who intend to become Foreign Missionaries have the privilege of attending gratuitously the lectures in the Medical Department.

EXERCISES IN PUBLIC SPEAKING—There will be an exercise for all the classes, in the presence of the Faculty, once in two weeks, in the reading of the Scriptures and hymns, and in the delivery of sermons, or parts of sermons, or addresses. Every alternate week there will be a conference, designed to cultivate the power of *extemporaneous speaking*, in which the students will be called on to present their views on some subject selected by the Faculty. Weekly debates are also held by the students, in societies of their own.

Instruction in Elocution will be given by Mr. BAILEY, the Instructor in the Academical Department.

LICENSE TO PREACH—The regular time for applying for a license is at the close of the second year's study, before which time members of the Department are not allowed to preach.

PUBLIC WORSHIP—Prayers are attended every morning in the MARQUAND Chapel, with reading of the Scriptures and singing. It is optional with the student whether to connect himself with the College Church, or with one of the City Churches; but whatever may be his decision it is hoped that he will actively engage, so far as may not be inconsistent with the prosecution of his studies, in some form of City Mission, Sabbath School, or other benevolent labor, for which constant opportunities are offered.

LIBRARIES—The Reference Library of the School, containing nearly two thousand volumes in various languages, and established through the liberality of Mr. Henry Trowbridge, of New Haven, is placed in the East Divinity Hall. It is designed to furnish the students with the standard and most recent books in every branch of theological literature and those most frequently called for in the pursuit of their studies. It is open daily for consultation, and thus takes the place, for each student, of a well selected and extensive private library.

The valuable Library of Church Music, belonging to the late Dr. Lowell Mason, has been recently given to the Department by his family. This Library, which is placed in the West Divinity Hall, and is one of the largest of the kind in the country, will be open for the use of students.

The College Library, to which the students have access without charge, contains nearly 90,000 volumes, and is open five hours on every secular day for consultation and for the drawing of books.

The library of the College literary societies, containing over 20,000 volumes in general literature, is accessible to theological students.

**PHYSICAL EXERCISE**—The College Gymnasium is open to the students of this department at a small charge. The harbor of New Haven affords excellent facilities for boating, to those inclined to this mode of exercise.

**THE ROOMS** in the two **DIVINITY HALLS** are provided with carpets, beds, and every necessary article of furniture (except bedding). They are assigned to new students in the order of application. A few rooms have two bedrooms attached to them, but, in general, provision is made for each student to room alone. The buildings are warmed throughout by steam, and lighted by gas. Bath-rooms are placed on every floor. The buildings are thoroughly ventilated on an approved system.

**EXPENSES AND PECUNIARY AID**—Students have only to make pecuniary provision for about eight months of study annually. In the remaining four months of vacation, from May to September, they have the opportunity of engaging in Home Missionary or other labor, with remuneration for their services.

The expenses for the annual session are \$3.25 to \$4 a week for board; \$25 to \$35 for fuel and lights; and \$10 a year for care of room and other incidental expenses. There is no charge for instruction, room rent, or use of Libraries.

Students whose circumstances require it, will receive \$100 a year from the income of Scholarships and other funds belonging to the Department. Additional aid, generally to the amount of \$100 annually, but sometimes less, is afforded by the American Education Society to its beneficiaries. In special cases additional aid toward the expenses of board will be given. These means of assistance fully cover the expenses mentioned above.

The Scholarships belonging to the Department bear respectively the names of James Hillhouse, William Leffingwell, George E. Dunham, Normand Smith, E. E. Salisbury, Thomas R. Trowbridge, Charles Atwater, Richard Borden, Samuel Holmes, Charles Nichols, Roland Mather, Noah Porter, John

DeForest, J. R. Beadle, David Root, Mary Goodman, Orin Fowler, and Edward Bull.

A Graduate Scholarship has been established in this Department, as a memorial of the late Mrs. Aurelia D. Hooker, of New Haven. It was offered for the first time to the class which entered in September, 1876, and will be assigned at graduation to that member of the class who shall be judged by the Faculty of the Department to be most worthy of it. It is offered the second time to the class entering in 1878. The person to whom the scholarship shall be given will receive the annual income (\$700) for two years after graduation, and will be expected to pursue a course of theological study, either as a resident at the Seminary, or in case he may prefer to do so, in Europe and Palestine.

After the close of the second year in May, students have frequent opportunities to receive remuneration for preaching in the neighboring churches.

In general it may be said, that sufficient aid will be provided for every young man who gives promise of usefulness in the ministry, to enable him, in connection with his own efforts, to complete a course of theological study.

COMMENCEMENT OF THE TERM, VACATION, ETC.—The session for 1878-79 began on Thursday, Sept. 12, and will continue till the third Thursday in May, when the public Anniversary is held. The annual examination of the classes, and the meeting of the Alumni, are held in the same week. The next annual term will begin on Thursday, September 11, 1879.

By thus throwing all the vacations into one, the most favorable season of the year is secured for study, while the opportunity is given, in the four months' vacation, to engage in some form of benevolent labor, in connection with the mission efforts of the churches, or in the service of one of the benevolent societies, by which the practical experience required of the pastor, as well as pecuniary compensation, may be obtained. Should any students prefer to spend the vacation in theological reading, the Professors will counsel them in the choice of books.

THE DEGREE of Bachelor of Divinity is conferred on all members of the Department who at the end of the Senior year pass the prescribed examination, and present an approved thesis on some topic in theology.



## DEPARTMENT OF MEDICINE

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THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Chemistry and Toxicology, a Professor of Obstetrics and the Diseases of Women and Children, a Professor of Materia Medica and Therapeutics, a Professor of Histology and Pathology, a Professor of the Theory and Practice of Medicine, a Professor of Surgery, and a Professor of General and Special Anatomy; also, a Lecturer on Physiology, a Lecturer on Ophthalmology and Otology, a Lecturer on Insanity, and a Demonstrator of Anatomy.

The course of study is divided into two terms in each year, a Spring Term and a Winter Term.

In the Spring Term, instruction is given by recitations and lectures. In this Term the students are classified, so that those who are just entering on the study are taught during their *first* year only the more elementary branches; while the studies of the *second* year include the more practical branches. Provision is made for students attending a *third* year, to review the studies of the entire course, with the addition of such collateral branches and advanced courses of reading as the necessities or attainments of individual pupils may require. Two or more recitations are held daily.

The instruction in the Winter Term is conducted by means of Public Lectures, with daily examinations, illustrated by Hospital Instruction and Medical and Surgical Clinics, with abundant facilities for Anatomical Dissections.

While the studies of each of these terms are independent and so far complete in their parts that they may be pursued separately with profit, yet they are designed to be so related to each other, that together they make a full and rounded curriculum of proportional study. In no way can the student more easily and naturally acquire a clear and comprehensive knowledge of the medical sciences in their present advanced position, than by taking these courses in connection, and pursuing his studies at the College for the entire period of three years.

The Spring Term will begin February 13, 1879, and continue till the Annual Commencement, June 23. The Winter Term for 1879-80, will be *the Sixty-seventh Annual Course of Lectures*.

CHEMISTRY—The chemical instruction in each term is intended to supplement that given in the other. In the Winter Term, lectures, fully illustrated by experiments, are given upon General Chemistry during the first half of the term; and upon Organic and Physiological Chemistry (including the Chemistry of the urine) and Toxicology during the second half. In the Spring Term, Theoretical Chemistry is taught by recitations, and Practical Chemistry by Laboratory work. The Junior Class work in Elementary Qualitative Analysis; the Middle Class in advanced Analysis, including the examination of drugs, the urine, calculi, etc. These exercises consist of three hours' daily work. The Senior Class are taught to make original researches in Physiological Chemistry.

NORMAL AND PATHOLOGICAL HISTOLOGY is illustrated by a sufficient number of compound microscopes and a large collection of the best preparations.

CLINICS—The lectures on Surgery and on the Theory and Practice of Medicine are amply illustrated at the Clinics which are held almost daily. Lectures on Diseases of Women are also made more practically instructive by a weekly Clinic at the College. The Surgical and Medical Clinics and the Clinics for Eye Diseases, which are held on their respective days at the College, are still further supplemented by the facilities afforded by the New Haven Dispensary and the Clinics which are held once or twice every week at the State Hospital. In connection with the Clinics, students are made thoroughly conversant with the special methods of the expert practitioner, by having exhibited to them from day to day all the recent advances attained in special manipulations, physical explorations, and the enlightened employment of remedies. All Surgical operations are performed in the presence of the students, and every endeavor is made to familiarize them with the use of all instruments and surgical appliances.

OPHTHALMOLOGY AND OTOTOLOGY are taught by a course of practical Lectures, with Clinical Illustrations.

DISSECTING ROOMS—The spacious and well-appointed Dissecting Rooms are amply supplied with anatomical material at a reasonable charge, under the personal direction of the Demonstrator.

THE MUSEUM contains a large collection of natural and morbid specimens, numerous casts, plates, and models, of elegant execution, and an extensive Cabinet of *Materia Medica*, all of which are made practically useful in illustrating the subjects taught. The University Libraries and Collections in Natural History are also open for the use of students.

COMPARATIVE ANATOMY, ZOOLOGY, AND OTHER DEPARTMENTS COLLATERAL TO MEDICAL STUDIES—Special advantages are offered to Medical Students for the pursuit of Zoology, Comparative Anatomy, Botany, and other cognate studies, in connection with the Sheffield Scientific School.

REQUIREMENTS FOR GRADUATION—Every candidate for a degree is required to possess, in addition to a good English education, a competent knowledge of the Latin language and of the principles of Natural Philosophy;\* to present to the Dean, two weeks before examination, a *Thesis*, written by himself, upon some medical subject; to present a satisfactory certificate that he is twenty-one years of age, and possesses a good moral character. He must have attended two full courses of public lectures, one at least of which must have been in this Institution. He must present a satisfactory certificate from a respectable and regular practitioner of medicine that he has attended to the study of physic and surgery for three years, including the time spent in attendance on medical lectures.† In case he is a graduate of college his diploma is received as equivalent to a certificate of medical study for one year.

The Board of Examiners consists of the Faculty and an equal number of the Members of the Connecticut Medical Society, appointed by the President and Fellows of the same; and the President of the Society is *ex-officio* President of the Board.

Separate written examinations are required in each of the following branches:—

\* All students who are not graduates of colleges will be examined in English branches, including Algebra to quadratic equations, and Balfour Stewart's *Elementary Physics* or its equivalent, and also in the Latin Grammar and Reader. It is optional with students to pass this examination before entering college, or at any time before presenting themselves for examination in their medical studies.

† The Spring Term is counted as part of the time required for Medical Study, but *does not count* as one of the courses of Public Lectures required for Graduation.

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|-----------------------------|---------------------------|
| 1. Chemistry.               | 6. Therapeutics.          |
| 2. Anatomy.                 | 7. Theory and Practice of |
| 3. Physiology.              | Medicine.                 |
| 4. Materia Medica.          | 8. Obstetrics.            |
| 5. Histology and Pathology. | 9. Surgery.               |

Students who have attended two full courses of lectures on Chemistry, Anatomy, Physiology, and Materia Medica, may be examined on those subjects, at the close of any regular term; and if giving satisfactory evidence of proficiency in them, their examination will be considered as final on those subjects, and at the end of their course they will be examined only on the other branches.

Two examinations for degrees are held annually: one at the close of the Winter Term, and the other at the close of the Spring Term, ending on the Tuesday before Commencement.

**TUITION FEES, ALWAYS REQUIRED IN ADVANCE.**

Matriculation Fee, paid annually,	- - - - \$ 5.00
Course of Lectures in Winter Term,	- - - - 105.00
For the Spring Term, - - - -	- - - - 60.00
Contingent Expenses of Laboratory, Spring Term,	10.00
Demonstrator's Ticket, - - - -	- - - - 5.00
Graduation Fee, - - - -	- - - - 25.00

In the Winter Term students may take the whole or part of the lectures, at their option; fee for each Professor's ticket, fifteen dollars.

Those who have attended two full courses of lectures in this Institution, and those who have attended one full course of lectures in this Institution and a full course in a similar Medical College, are entitled to admission to the Lectures of any future Winter Term on the payment of five dollars for incidental expenses. Those who have attended two full courses in any other accredited Medical College, may receive all the tickets for the Winter Term, including Matriculation for fifty dollars.

## DEPARTMENT OF LAW

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THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Mercantile Law and Evidence, a Professor of Elementary and Criminal Law and the Law of Real Property, a Professor of Constitutional Law, Contracts, and Wills, a Professor of Pleading and Equity Jurisprudence, and a Professor of International Law. Lectures are also delivered by Rev. LEONARD BACON, D.D., LL.D., on Ecclesiastical Law, Hon. ORIGEN S. SEYMOUR, LL.D., on Judicial Procedure and Practice, Hon. LAFAYETTE S. FOSTER, LL.D., on Parliamentary Law, and Methods of Legislation, Professor WAYLAND on English Constitutional Law and History, Professor ROBINSON on Forensic Oratory and the Origin of Law, MARK BAILEY, M.A., on Forensic Elocution, Professor BALDWIN on Roman Law and the Administration of Estates, Professor PLATT on General Jurisprudence, and FREDERIC H. BETTS, M.A., on Patent Law.

TERMS AND VACATIONS—There are three terms in each year: the Fall term, beginning on the last Thursday of September and continuing to the Thursday before Christmas; the Winter Term, beginning in January, after a vacation of three weeks, and closing the last Thursday of March; and the Spring Term, beginning on the second Thursday of April and continuing until Commencement. (See Calendar, p. 4.)

### COURSE OF INSTRUCTION

#### UNDERGRADUATE COURSE

The Undergraduate Course occupies two years, the students being divided into two classes, for each of which a special course of study is provided. The daily exercises consist of lectures and recitations from standard text-books, the latter being accompanied by oral explanations. The students are frequently referred to the leading cases on the subject under consideration, and are required to be prepared for questions upon them at the next exercise: they are also encouraged to put questions freely to the instructor at all recitations. Moot Courts are regularly held, at which one of the professors acts

as judge. The students acting as counsel, in the argument of cases, are required to draw the necessary pleadings in the common law form.

Members of either Class can attend the lectures of Professors to undergraduates in other Departments of the College, whenever it is compatible with their other engagements; and, with a few exceptions only, without charge. They can also attend one or more of the special courses of graduate instruction in the Department of Philosophy and the Arts, on payment of a moderate fee. (See page 48.)

The regular curriculum of study is as follows :

#### JUNIOR YEAR:

FALL TERM—Recitations: Elementary Law, Prof. Robinson; Contracts, Prof. Baldwin; Torts, Prof. Platt; International Law, Prof. Woolsey. Lectures: Nature and History of American Law, and Wills, Prof. Baldwin.

WINTER TERM—Recitations: Contracts, Prof. Baldwin; Mercantile Law, and Evidence, Prof. Wayland; Torts, and Pleading, Prof. Platt; International Law, Prof. Woolsey. Lectures: Wills, Prof. Baldwin; Forensic Oratory, Prof. Robinson.

SPRING TERM—Recitations: Contracts, Prof. Baldwin; Mercantile Law, and Evidence, Prof. Wayland; Pleading, Prof. Platt. Lectures: English Constitutional Law, Prof. Wayland; Origin of Law, Prof. Robinson; Forensic Elocution, Mr. Bailey.

#### SENIOR YEAR:

FALL TERM—Recitations: Equity, Prof. Platt; Contracts, Prof. Baldwin; Mercantile Law, Prof. Wayland. Lectures: International Law, Prof. Woolsey; American Constitutional Law, Prof. Baldwin.

WINTER TERM—Recitations: Contracts, Prof. Baldwin; Mercantile Law, Prof. Wayland; Equity, Prof. Platt. Real Property, Prof. Robinson; Lectures: American Constitutional Law, Prof. Baldwin.

SPRING TERM—Recitations: Contracts, Prof. Baldwin; Real Property, and Criminal Law, Prof. Robinson. Lectures: Roman Law, Comparative Jurisprudence, and Practice, Prof. Baldwin.

Any one or more of these studies may be pursued by those who do not intend to engage in the practice of the Law, but wish to obtain a knowledge of its principles to complete their education, or with reference to mercantile pursuits.

The principal text-books used are, in Junior year, Robinson's Notes on Elementary Law, Addison on Torts, Parsons on Contracts, Stephen on Pleading, Woolsey's Introduction to the Study of International Law, and Greenleaf on Evidence, vol. I; in Senior year, Parsons on Contracts, Story on Equity Jurisprudence, and Washburn on Real Property.

Students are also recommended to read during their course the following works, in connection with their regular exercises: Blackstone's Commen-

taries, Kent's Commentaries, Smith's Leading Cases, Maine's Ancient Law, Hadley's Roman Law, and Cooley on Constitutional Limitations.

At the close of the Spring Term, each Class is subjected to a written examination on the studies of the preceding year.

#### GRADUATE COURSE

The Graduate Course occupies two years, and is open to graduates from any Law School, having the degree of LL.B., under the conditions specified on p. 90. The vacations are the same as those in the undergraduate course in this department. The degree of Master of Law (M.L.) will be conferred upon examination at the close of the first year, and that of Doctor of Civil Law (D.C.L.) at the end of the second year. The curriculum for the first year is particularly designed to supplement that of the undergraduate course by affording further instruction in the branches there pursued; that of the second year is designed to meet the wants of those who aim at acquiring a thorough acquaintance with jurisprudence and its affiliated studies, as a means of completing their education, without confining themselves to such topics as are of the first necessity to the practicing lawyer.

The arrangement of the curriculum is as follows:

FOR CANDIDATES FOR THE DEGREE OF M.L.—English Constitutional History, Prof. A. M. Wheeler; Admiralty Law and Patents, Prof. Robinson; Practice in the U. S. Courts, Rail Road Law, and American Constitutional History, Prof. Baldwin; Corporations and Procedure in States having a Civil Code, Prof. Platt; International Law, Prof. Woolsey.

FOR CANDIDATES FOR THE DEGREE OF D.C.L.—Parliamentary Law, History of the Law of Real Property, and Canon Law, Prof. Robinson; Comparative Jurisprudence, and Conflict of Laws, Prof. Baldwin; General Jurisprudence, Prof. Platt; Roman Law, Mr. A. S. Wheeler; Relations of Physical Geography to Political History, Prof. Brewer; Political Economy, Prof. Walker; Political Science, Prof. Sumner.

Among the principal text-books used, are Parsons on Maritime Law, Curtis on Patents, Desty's Federal Procedure, Pierce on American Railroad Law, Austin on Jurisprudence, Angell and Ames on Private Corporations, Dillon on Municipal Corporations, Pomeroy's Remedies and Remedial Rights, the Commentaries of Gaius, Institutes of Justinian, selected titles of the Pandects, Story on the Conflict of Laws, Cushing's Parliamentary Law, Digby on the Early History of Landed Property, and Wharton on Private International Law.

There will be regular exercises for those pursuing each year of the graduate course, the preparation for which with the collateral course of reading which will be prescribed for each, the composition of the graduation thesis,

etc., will be such as to occupy the working time of the student through the year.

A knowledge of Latin will be necessary for those pursuing the studies of the last year of the course, but will not be indispensable for candidates for the degree of M.L.

**TERMS OF ADMISSION TO UNDERGRADUATE COURSE**—Applicants for admission to the Junior Class must be at least eighteen years of age, and must produce certificates of good moral character. No student who has not taken a degree from some collegiate institution, will be admitted as a candidate for a degree, until he has passed a satisfactory examination on the outlines of the History of England, and of the United States, and the text of the Constitution of the United States. This will be conducted in writing, and the style of the composition and orthography in the answers, as written, must be such as to evince a competent knowledge of English Grammar.

To entitle a person to admission to advanced standing as a member of the Senior Class, he must be at least nineteen years of age; must, if a college graduate, have studied law under a competent instructor for at least one year, or at the law school of some college or university for at least six months; must, if not a college graduate, have studied law under a competent instructor for at least two years, or at a law school for at least one year; and if not an attorney at law, must pass such an examination as is required for those entering the Senior Class in the regular course, and also (unless a college graduate) such an examination as is required of applicants for admission to the Junior Class.

Applicants for admission to advanced standing who have received a collegiate degree, or have passed the preliminary examination in English studies specified above, may either attend the regular annual Junior examination, which commences the second week before Commencement, or pass a special examination, beginning on the first Saturday of the Fall Term, or on the last Thursday of February, at which it will be sufficient if they are prepared to be questioned on Kent's Commentaries, lectures first to nine inclusive, fourteen to eighteen inclusive, and twenty, twenty-one, sixty, sixty-two, and sixty-eight: Parsons on Contracts, subjects of bailments, partnerships, notes and bills, agents, executors and guardians, corporations and artificial persons, gifts, capacity to contract,



consideration and assent, sales, warranty, hiring, suretyship, telegraphs, infancy, married women, interest, marriage, construction, defences, estoppels, statute of limitation, damages, and liens; Blackstone's Commentaries, Robinson's Notes on Elementary Law, Stephen on Pleading, Greenleaf on Evidence, vol. I, Woolsey's Introduction to the study of International Law, and Addison on Torts.

Special students, not candidates for a degree, will be admitted to any of the exercises of the School, as heretofore, without examination.

**EXAMINATIONS**—There will be preliminary examinations of candidates for admission to the Junior Class at the opening of the Fall Term, and at no other time.

Candidates for admission to the Senior Class will be examined, as above, at the end of the Spring Term, or beginning of the Fall Term; or on the last Wednesday of February.

Seniors will be examined for a degree only at the close of the Spring Term; or on the last Wednesday of February, when their prescribed period of study shall mature at that time.

Examinations for degrees in the graduate course will be held only at the close of the Spring Term.

Every candidate for each degree, both in the undergraduate and graduate courses, must also submit a thesis on a given legal topic, which must be approved by the Faculty.

**LIBRARY**—The special Library of the Department, which has a permanent endowment for its support (the English Fund),\* contains over eight thousand volumes, comprising a complete collection of the English, American, and Irish Reports of judicial decisions, and an extensive collection of text-books, and works on jurisprudence and political history and philosophy. The consulting room is also supplied with the leading legal periodicals. The Library is open daily, during term time, from 8 A. M. to 12:45 P. M., and from 2 to 5:45 P. M. (with the exception of Saturday afternoon); during vacations it is not opened until 9 A. M.

The students can also draw books without charge from the general University libraries, now containing over 100,000 volumes.

\* Established by Hon. James E. English, M.A., in 1873.

PRIZES are annually awarded as follows: The TOWNSEND Prize,\* of one hundred dollars, is annually awarded to that member of the Senior Class who shall write and pronounce the best oration or thesis at his graduation, at the public anniversary exercises of the Department, on the day before Commencement;

The JEWELL Prize,† of fifty dollars to that member of the Senior class who receives the highest marks at the final examination of his class at their graduation;

The BETTS Prize,‡ of fifty dollars, to that member of the Junior class who receives the highest marks at his annual examination;

BUILDINGS, AND FACILITIES FOR OBSERVING PRACTICE—The School occupies an entire story of the Court House of New Haven County, having upon the same floor a lecture room accommodating two hundred students, a large library hall, a Moot Court room, an instructors' room, and other apartments furnishing every needed convenience for Law clubs and debating societies.

Two terms of the Supreme Court of Errors of Connecticut, one term of the United States Circuit Court, and two terms of the United States District Court, are held annually in New Haven; and the Superior Court and Court of Common Pleas, the principal *nisi prius* Courts of the State, are also in session almost daily, during each of the Law School terms.

DEGREES—In the Undergraduate course the degree of Bachelor of Laws will be conferred by the Corporation, upon the recommendation of the Faculty of the Department, based on a satisfactory examination and the submission of a satisfactory thesis, on the following persons:

1st. Attorneys at Law, who have been members of the Department for one year after their admission to the Bar.

2d. Any students who have been members of the Department for not less than two years, and who passed satisfactorily the Junior Examination at the end of their first year.

3d. Students who have received the degree of Bachelor or Doctor in any of the Arts or Sciences from any incorporated

\* Established by Hon. James M. Townsend in 1874.

† Established by Hon. Marshall Jewell, M.A., in 1871.

‡ Established by Frederic H. Betts, M.A., in 1875.

College or University, and have subsequently been members of this Department for not less than eighteen months, and who passed satisfactorily an examination at the end of their first six or twelve months, on all the studies of the Junior year.

4th. Upon students who have been admitted to advanced standing as members of the Senior Class, and have remained in that Class for not less than one year.

Graduates of the Department receiving this degree are admitted to the Connecticut Bar without further examination.

In the Graduate Course the degree of Master of Law (M.L.) will be conferred by the Corporation on the recommendation of the Faculty of the Department, on persons, who, after having taken the degree of Bachelor of Laws, pursue, during at least one year, such a course of advanced studies as the Faculty may direct.

Bachelors of Laws, who also have the degree of Bachelor of Arts or of Philosophy, or who, having the degree of LL.B. from this College, ranked among the first quarter of their class in scholarship, according to their average marks at their final examination for that degree, may, after having taken the degree of M.L., apply for that of Doctor of Civil Law (D.C.L.). All applicants for the latter degree must have a good knowledge of Latin, and also of either the French or German language. The course of instruction will extend over one year after taking the master's degree, and the Faculty will recommend no one for the degree of D.C.L., who has not attained a high standard of proficiency in the studies pursued.

Neither degree will be conferred, except upon candidates who pursue their studies at New Haven, under the direction of the Faculty, pass with credit a strict final examination, and present a satisfactory thesis.

EXPENSES—The fees for tuition and use of the Library in the Undergraduate course are \$45 for the Fall Term, \$35 for the Winter Term, and \$35 for the Spring Term, or \$100 for the entire session, and in the Graduate course, \$125 for each year, to be paid to the Treasurer of the College in advance, or secured by bond satisfactory to him; where payment is not made in advance, interest will be added. Candidates for a degree who pursue their studies beyond the minimum period of attendance required before applying for examination, will be charged only half these rates for their subsequent tuition.

The diploma fee is \$5, and the Court fees for admission to the Bar are \$8. A further fee of \$5 is chargeable for admission to practice in the U. S. Courts for the District of Connecticut, if this is also desired. The tuition charges for special students, not candidates for a degree, vary in proportion to the amount of instruction and supervision required, but will never exceed those made in the regular course.

Board and lodging can be obtained at prices ranging from \$5 a week upwards.

For further particulars, inquiries may be addressed to Professor Francis Wayland, Dean of the Faculty, at New Haven, Conn.

## PEABODY MUSEUM OF NATURAL HISTORY

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### TRUSTEES

PROFESSOR JAMES D. DANA, Ph.D., LL.D., *Chairman*  
HIS EXCELLENCY RICHARD D. HUBBARD, LL.D., *ex-officio*  
THE HONORABLE ROBERT C. WINTHROP, LL.D.  
PROFESSOR BENJAMIN SILLIMAN, M.D.  
PROFESSOR GEORGE J. BRUSH, M.A., *Treasurer*  
PROFESSOR OTHNIEL C. MARSH, M.A.  
GEORGE PEABODY WETMORE, M.A.

### CURATORS

• OTHNIEL C. MARSH, M.A., *Curator of the Geological Collection*  
ADDISON E. VERRILL, M.A., *Curator of the Zoological Collection*  
EDWARD S. DANA, Ph.D., *Curator of the Mineralogical Collection*

The gift of the Founder, GEORGE PEABODY, of London, was committed to the Board of Trustees, in October, 1866, "to found and maintain a Museum of Natural History, especially in the departments of Zoology, Geology, and Mineralogy, in connection with Yale College." Of the entire gift (\$150,000), \$100,000 was devoted by the donor to the erection, on land given for the purpose by the President and Fellows of the College, of a fire-proof building, planned with special reference to subsequent enlargement. Of the remainder of the gift, the sum of \$20,000 is set apart as a reserve fund for the completion of the building, and the income of \$30,000 is available for the care of the Museum and the increase of its collections.

By the accumulations from investment of the original building-fund, the first wing of the Museum is now completed, at a cost of about \$140,000, or, with cases, \$175,000.

The basement will be used for exhibiting the collection of fossil footprints from the Connecticut valley, and for work and storerooms. The first story contains the Mineralogical Collection, and rooms for instruction in Mineralogy, as well as the general lecture room. The second story is entirely devoted to Geology, and the third to Zoology. The fourth is used for the collection in Archæology and Ethnology, and for storerooms.

So far as the collections are arranged, the Museum is open to students and the public every day in term-time.

## LIBRARIES

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THE COLLEGE LIBRARY numbers about 88,000 volumes, besides many thousand unbound pamphlets. It is designed for the use of the College officers, resident graduates, and the students of the various departments. Other persons may have the privilege of consulting the Library and drawing books, by permission of the Library Committee. The Library is open daily in term-time from 9½ A. M. to 1 P. M., and from 2½ to 5 P. M. (or, during the winter months, to 4½ P. M.)

In the same building is the LINONIAN AND BROTHERS LIBRARY, designed primarily for the use of the undergraduate students, and containing over 20,000 volumes. This library is open daily, from 1½ to 2½ P. M.; on Wednesdays and Saturdays from 10 A. M. to 12 M. and from 1½ to 4 P. M.

The Departments of Theology, of Medicine, and of Law, the Sheffield Scientific School, and the School of the Fine Arts, have each a special Library, accessible to the students of those schools.

The Library of the AMERICAN ORIENTAL SOCIETY, numbering about 3,500 printed books and manuscripts, is kept in the College Library building.

### SUMMARY

College Library (exclusive of pamphlets), about	-	88,000 vols.
Linonian and Brothers Library, about	- - -	21,000 "
Libraries of the Professional Schools, about	- -	18,000 "
		<hr/>
		127,000

# APPENDIX

## APPOINTMENTS FOR COMMENCEMENT,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, JUNE 27, 1878

### ORATIONS

CLARENCE HILL KELSEY, Valedictory Oration, *Bridgeport*  
 WILLIAM HOWARD TAFT, Salutatory Oration, *Cincinnati, O.*  
 GEORGE LOUIS CURTIS, Philosophical Oration, *Canandaigua, N. Y.*  
 GEORGE SMITH PALMER, Philosophical Oration, *Montville*

Alfred L. Ripley, <i>Andover, Mass.</i>	Harry C. Coe, <i>Cincinnati, O.</i>
{ George T. Knott, <i>Springfield, Mo.</i>	{ Stanley W. Dexter, <i>San Francisco, Cal.</i>
{ Charles S. Shepard, <i>Buffalo, N. Y.</i>	{ Charles Parsons, <i>New York City</i>
William M. Aber, <i>Oswego, N. Y.</i>	Douglas P. Birnie, <i>Springfield, Mass.</i>
{ Hollis W. Cobb, <i>Shrewsbury, Ms.</i>	
{ John G. Jennings, <i>Cleveland, O.</i>	
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{ Harlan P. Beach, <i>South Orange, N. Y.</i>	{ Walter Squires, <i>New York City</i>
{ Frank A. Beckwith, <i>Waterbury</i>	{ Benj. R. Wendell, <i>Cazenovia, N. Y.</i>
{ Edward H. Seely, <i>Brooklyn, N. Y.</i>	Reynold W. Wilcox, <i>Madison</i>
Burgess S. Hurtt, <i>New Haven</i>	Edward B. Whitney, <i>New Haven</i>
William E. Waters, <i>Cincinnati, O.</i>	Philip W. Moen, <i>Worcester, Mass.</i>

### DISSERTATIONS

Charles P. Woodbury, <i>Norwalk</i>	Joseph A. Ticknor, <i>New Marlboro',</i>
{ Arthur P. Dana, <i>Wellesley, Mass.</i>	<i>Mass.</i>
{ Jas. M. Lamberton, <i>Harrisburg, Pa.</i>	{ Edward P. Hickox, <i>Washington</i>
	{ Lawrence H. Schwab, <i>Fordham, N. Y.</i>

### DISPUTES

Edward W. Flagg, <i>Northboro', Mass.</i>	William K. James, <i>Hamburg, Iowa</i>
{ John I. McDonald, <i>St. Joseph, Mo.</i>	Edgar H. Stone, <i>Sioux City, Iowa</i>
{ Walter L. Merwin, <i>Durham</i>	Roger S. B. Foster, <i>Boston, Mass.</i>
Charles A. Feick, <i>Newark, N. Y.</i>	John N. Peet, <i>Brooklyn, N. Y.</i>
James B. McEwan, <i>Albany, N. Y.</i>	Joseph I. Tayntor, <i>Marlboro', Mass.</i>
Edward L. Morse, <i>Poughkeepsie, N. Y.</i>	
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{ Charles H. Dilley, <i>Watertown, N. Y.</i>	Edwin W. Smith, <i>Pittsburgh, Pa.</i>
{ Louis Hood, <i>Newark, N. Y.</i>	{ John Trumbull, <i>Valparaiso, Chili</i>
George Trowbridge, <i>New York City</i>	{ Clarence S. Woodruff, <i>Wilkes Barre,</i>
Oliver W. Brown, <i>Norwich</i>	<i>Pa.</i>
Andrew F. Currier, <i>Poughkeepsie, N. Y.</i>	Albert B. Fifield, <i>Providence, R. I.</i>

### COLLOQUIES

Charles E. Briggs, <i>Rockford, Ill.</i>	{ George W. Burton, <i>Manchester, Vt.</i>
William R. Sanborn, <i>New Haven</i>	{ F. V. McDonald, <i>San Francisco, Cal.</i>
{ William P. Belden, <i>New Haven</i>	{ Geo. P. Whittlesey, <i>Washington, D.C.</i>
{ George E. Gilbert, <i>New Haven</i>	{ Isadore N. Bloom, <i>Louisville, Ky.</i>
{ Henry M. Hoyt, <i>Wilkes Barre, Pa.</i>	{ Archibald A. Dersheimer, <i>Falls, Pa.</i>
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Clinton Spencer, <i>Suffield</i>	Arthur B. Taylor, <i>Springfield, Mass.</i>
Edward W. Smith, <i>West Meriden</i>	Alexander J. Bruen, <i>New York City</i>
Harold S. Van Buren, <i>Englewood, N. Y.</i>	Marion Wilcox, <i>New Haven</i>

The graduating class numbered one hundred and twenty-three.

## APPOINTMENTS FOR JUNIOR EXHIBITION,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, APRIL 11, 1878

### ORATIONS

LLOYD W. BOWERS, *Elizabethtown, N. Y.*  
 ERNEST CARTER, *Chicago, Ill.*  
 AARON VAN S. COCHRANE, *Coxsackie, N. Y.*  
 JOHN M. FOX, *Salem*  
 MALCOLM MCL. MCKENZIE, *New Haven*  
 HENRY J. TENEYCK, *Albany, N. Y.*

Ralph Barker, <i>New York City</i> Louis N. Booth, <i>Bridgeport</i> Lucien F. Burpee, <i>Rockville</i> Henry C. Crouch, <i>Kingston, N. Y.</i> John V. Farwell, <i>Chicago, Ill.</i> George F. Foster, <i>Grand Rapids, Mich.</i> Samuel M. Foster, <i>Newburgh, N. Y.</i> John L. Franklin, <i>New Haven</i>	Rob't R. Griswold, <i>Binghamton, N. Y.</i> Ivan M. Marty, <i>Kansas City, Mo.</i> Edward McA. Noyes, <i>Woodbury</i> Thomas E. Rochfort, <i>New Haven</i> Louis L. Stanton, <i>New York City</i> Ambrose Tighe, <i>Brooklyn, N. Y.</i> Otis H. Waldo, <i>Milwaukee, Wisc.</i>
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Lorenzo C. Brooks, <i>Chicago, Ill.</i> James W. Eaton, <i>Albany, N. Y.</i> Henry Hitchcock, <i>St. Louis, Mo.</i> George W. Kirchwey, <i>Albany, N. Y.</i> Charles H. Livermore, <i>Fair Haven</i> Henry Maltzberger, <i>Reading, Pa.</i> Frank W. Marsh, <i>New Milford</i> Thomas B. Marston, <i>Chicago, Ill.</i>	Charles Miller, <i>Williston, Vt.</i> Howard D. Newton, <i>Norwich, N. Y.</i> Albert W. Shaw, <i>Buffalo, N. Y.</i> Frederic T. Simpson, <i>Bath, Me.</i> John G. C. Sonn, <i>Newark, N. J.</i> Frederic A. Stokes, <i>Detroit, Mich.</i> Willis E. Story, <i>Milwaukee, Wisc.</i>
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### DISSERTATIONS

David Fleischman, <i>Albany, N. Y.</i> Walter B. James, <i>Baltimore, Md.</i> Samuel A. Kimball, <i>Bath, Me.</i> Robert H. Munson, <i>Williamsport, Pa.</i>	Isaac Peck, <i>Flushing, N. Y.</i> Louis DuP. Syle, <i>Baltimore, Md.</i> George D. Watrous, <i>New Haven</i> Samuel P. Willard, <i>Colchester</i>
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### DISPUTES

William W. Bailey, <i>New Haven</i> Augustus S. Carrier, <i>Erie, Pa.</i> Amos L. Hatheway, <i>Willimantic</i> John J. Hill, <i>Pittsburgh, Pa.</i> Frank E. Hyde, <i>Hartford</i> Gilbert D. Lamb, <i>Franklin</i> Charles H. Leete, <i>Potsdam, N. Y.</i>	Henry H. McNair, <i>Lima, N. Y.</i> George D. Munson, <i>Wallingford</i> Edgar B. Nichols, <i>Easton</i> Charles B. Peck, <i>Bridgeport</i> William G. Seeley, <i>Brooklyn, N. Y.</i> Harry K. Willard, <i>Washington, D. C.</i>
Hugh D. Auchincloss, <i>New York City</i> Chun Lung, <i>Hien Shang, China</i> Edward S. Fowler, <i>Cambridge, Mass.</i> Henry S. Green, <i>New Milford</i> Howard W. Hayes, <i>Newark, N. J.</i> Lewis H. Hyde, <i>Norwich</i>	Frank Jones, <i>Kansas City, Mo.</i> George L. Lewis, <i>Buffalo, N. Y.</i> William C. Merritt, <i>Oakland, Cal.</i> John O. Perrin, <i>La Fayette, Ind.</i> Delevan S. Sweet, <i>Phoenix, N. Y.</i> Mardon D. Wilson, <i>Philadelphia, Pa.</i>

### COLLOQUIES

Charles F. Aldrich, <i>Worcester, Mass.</i> Edward A. Bowers, <i>New Haven</i> Henry A. Bushnell, <i>Old Saybrook</i> George M. Kimball, <i>Concord, N. H.</i>	Edmund P. Livingston, <i>N. Y. City</i> Charles L. Merriam, <i>West Meriden</i> Edward Southworth, <i>W. Springfield, Mass.</i>
Thomas R. Barnum, <i>New Haven</i> Elisha B. Joyce, <i>New York City</i> John W. Keller, <i>Paris, Ky.</i> George S. Linde, <i>New Haven</i>	Lewis A. Platt, <i>Waterbury</i> John W. Shepard, <i>Hartford</i> Thomas W. Stiles, <i>New Haven</i> Arthur H. Terry, <i>Southold, N. Y.</i>



## FELLOWS

DOUGLAS Fellow—ELISHA S. BOTTUM, B.A., Class of 1876  
SOLDIERS' Memorial Fellow—CLARENCE H. KELSEY, B.A., Class of 1878

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## SCHOLARS OF THE HOUSE

BRISTED Scholar—Class of 1876—ARTHUR T. HADLEY, B.A.  
LARNED Scholar—Class of 1876—JOHN KENDRICK, B.A.  
CLARK Scholar—Class of 1877—ALEXANDER M. WILCOX, B.A.  
LARNED Scholar—Class of 1877—ALEXANDER M. WILCOX, B.A.  
CLARK Scholar—Class of 1878—WILLIAM E. WATERS, B.A.  
LARNED Scholar—Class of 1878—GEORGE T. KNOTT, B.A.  
W. W. DeFOREST Scholar—Class of 1878—CHARLES H. SHAW, B.A.  
WOOLSEY Scholar—Class of 1879—ERNEST CARTER  
WOOLSEY Scholar—Class of 1880—WILLIAM M. HALL  
WOOLSEY Scholar—Class of 1881—PHILIP G. BARTLETT

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## PREMIUMS AWARDED DURING THE YEAR 1877-78

### UNIVERSITY PRIZE

JOHN A. PORTER Prize—Henry A. James, B.A., of the Class of 1878,  
Department of Law

---

### UNDERGRADUATE ACADEMICAL DEPARTMENT

LARNED Scholarship—Class of 1876—David W. Brown, B.A.  
LARNED Scholarship—Class of 1876—John Kendrick, B.A.  
CLARK Scholarship—Class of 1878—William E. Waters  
LARNED Scholarship—Class of 1878—George T. Knott  
W. W. DeFOREST Scholarship—Class of 1878—Charles H. Shaw  
WOOLSEY Scholarship—Class of 1881—Philip G. Bartlett  
HURLBUT Scholarship—Class of 1881—Russell A. Bigelow  
THIRD FRESHMAN Scholarship—Class of 1881—Walter R. Bridgman } (equal)  
DeFOREST Medal—Class of 1878—Louis Hood  
TOWNSEND Premiums for English Composition—Class of 1878—John P.  
Clarke, Harry C. Coe, William L. Dickson, George B. Edwards,  
Roger S. B. Foster  
PREMIUM for solution of Astronomical Problems—Class of 1878—1st Prize,  
William E. Waters  
WINTHROP Prizes—Class of 1879—1st Prize, Edgar B. Nichols; 2d Prize,  
John G. C. Sonn  
SCOTT Prize in German—Class of 1878—Alfred L. Ripley  
SCOTT Prize in French—Class of 1879—Louis L. Stanton

## JUNIOR EXHIBITION PREMIUMS—CLASS OF 1879

1st Prize, George W. Kirchwey ; 2d Prizes, Lucien F. Burpee, Chun Lung, James W. Eaton, George F. Foster, Samuel M. Foster, Henry S. Green, Louis DuP. Syle, Henry J. TenEyck, Ambrose Tighe

## PREMIUMS FOR ENGLISH COMPOSITION—CLASS OF 1880

1st Term : 1st Prizes, John A. Amundson, Alfred B. Nichols, Sidney C. Partridge, Doremus Scudder ; 2d Prizes, Nathaniel Gordon, William M. Hall, Frank W. Hopkins, Edward P. Noyes ; 3d Prizes, Wilton N. Eddy, William C. Husted, Frederick S. Morrison, Charles A. Wight

2d Term : 1st Prizes, John A. Amundson, Alfred B. Nichols, Sidney C. Partridge, Doremus Scudder ; 2d Prizes, William M. Hall, Frank W. Hopkins, William C. Husted, Edward P. Noyes ; 3d Prizes, Wilton N. Eddy, Thomas R. Morrow, Harry W. Taft, Stephen Trumbull

## PREMIUMS FOR DECLAMATION—CLASS OF 1880

1st Prize, William D. Murray ; 2d Prize, William D. Barnes and John F. Woodhull ; 3d Prize, Doremus Scudder

## PREMIUMS FOR SOLUTION OF MATHEMATICAL PROBLEMS

Class of 1880—1st Prize, William M. Hall ; 2d Prize, Frank W. Hopkins ; 3d Prizes, William H. Sherman, Wilson C. Wheeler

Class of 1881—1st Prize, Frank B. Lucas ; 2d Prizes, Otis H. Briggs, Arthur E. White

## BERKELEY PREMIUMS FOR LATIN COMPOSITION—CLASS OF 1881

1st Prizes, Edwin E. Aiken, Benjamin W. Bacon, Philip G. Bartlett, Russell A. Bigelow, Walter R. Bridgman, Arthur E. White ; 2d Prizes, Arthur E. Bostwick, Sherman Evarts, Nathaniel C. Fisher, Arthur G. Stedman, Sherman L. Whipple, Charles O. Whitmore

---

SHEFFIELD SCIENTIFIC SCHOOL

## Class of 1878

FOR EXCELLENCE IN GERMAN, John P. Bartlett, New Britain  
FOR EXCELLENCE IN FRENCH, Edward H. Smith, Brooklyn, N. Y.  
FOR EXCELLENCE IN CIVIL ENGINEERING, Walter L. Cowles, Wallingford

## Class of 1879

FOR EXCELLENCE IN THE MATHEMATICS OF JUNIOR YEAR, George A. Saunders, Newport, R. I., with honorable mention of Charles A. Wilcox, Painesville, O.

FOR EXCELLENCE IN CHEMISTRY, William J. Comstock, Toledo, O., with honorable mention of John Jewett, Brooklyn, N. Y.

FOR EXCELLENCE IN MINERALOGY, Frederick I. Allen, Auburn, N. Y.

## Class of 1880

FOR EXCELLENCE IN ALL THE STUDIES OF FRESHMAN YEAR, Dwight Porter, Hartford

FOR EXCELLENCE IN GERMAN, Ernest T. Liefeld, New Haven

FOR EXCELLENCE IN MATHEMATICS, Dwight Porter, Hartford

FOR EXCELLENCE IN PHYSICS, Dwight Porter, Hartford

FOR EXCELLENCE IN MECHANICAL DRAWING, George Robert Ferguson, New Haven

## Class of 1881

FOR THE BEST ENTRANCE EXAMINATION, Ethan Allen Andrews, Tarrytown, N. Y.

---

DEPARTMENT OF LAW

JEWELL PRIZE (\$100), to the student passing the best examination at his graduation—William F. Booth, B.A. Emory and Henry College, New Orleans, La.

CIVIL LAW PRIZE (\$30), for the best dissertation on "Obligations ex Delicto," Haydn C. Kelly, B.A. Rutgers College, New Brunswick, N. J., class of 1878

Committee of Award: Prof. Francis Wharton, LL.D., Cambridge, Mass.

JEWELL PRIZE (\$50), for the best dissertation from a member of the Junior Class, on "The right to use force in defending or regaining possession of personal property"—Wallace B. Fenn, Jr., Ph.B., New Haven

Committee of Award: Prof. Henry Hitchcock, LL.D., St. Louis, Mo.  
Hon. B. Gratz Brown, St. Louis, Mo.

BETTS PRIZE (\$50), to the member of the Junior Class receiving the highest marks at his annual examination—James H. Brewster, Ph.B., New Haven

TOWNSEND PRIZE (\$100), to the student pronouncing the best oration at his graduation—John S. Seymour, B.A., Norwalk

Committee of Award: Hon. Dwight Foster, LL.D., Boston, Mass.  
Hon. L. Denison Shoemaker, WilkesBarre, Pa.  
J. Evarts Greene, Esq., Worcester, Mass.

## HONORS\*

## Class of 1878

William F. Booth, B.A. Emory and Henry College (Jewell Prize)  
Edwin D. Worcester, B.A., Albany, N. Y.  
Burton Mansfield, Ph.B., New Haven  
John C. Talcott, B.A. Mt. Union College, Jefferson, O.  
Henry A. James, B.A., Baltimore, Md.

## Class of 1879

James H. Brewster, Ph.B. (Betts Prize)  
John K. Beach, B.A., New Haven  
Wallace B. Fenn, Jr., Ph.B., New Haven  
John B. Atwater, B.A., Minneapolis, Minn.  
Ardon L. Judd, B.A., Stratford

\* This list comprises the names of the five in each class who received the highest marks at its annual examination.

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NOTE.—Arrangements have been made, in the SCHOOL OF THE FINE ARTS, by which after Jan. 1, 1879, a course of instruction in Architecture will be provided. For details apply to the Director of the School.



The last edition of the Triennial Catalogue of the Graduates was published in 1877. Obituary notices of deceased graduates are published annually.

All persons, who can supply information appropriate to the future editions of the Triennial Catalogue or Obituary Record, are urgently requested to communicate with the Secretary.

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The Annual Catalogue will be sent regularly to all graduates who may express a desire to receive it, and who will furnish their addresses for the purpose.

For Catalogues and other information, address

THE SECRETARY OF YALE COLLEGE,

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CATALOGUE



OF THE

OFFICERS AND STUDENTS

OF

YALE COLLEGE,

With a Statement of the Course of Instruction in the  
Various Departments,

1879-80

NEW HAVEN:  
TUTTLE, MOREHOUSE & TAYLOR, PRINTERS  
1879





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TUTTLE, MOREHOUSE & TAYLOR, PRINTERS  
1879

## ABBREVIATIONS

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A.	-	-	-	-	-	-	-	Absent on leave
C.	-	-	-	-	-	-	-	Old Chapel
D.	-	-	-	-	-	-	-	Durfee College
E.	-	-	-	-	-	-	-	East Divinity Hall
F.	-	-	-	-	-	-	-	Farnam College
L.	-	-	-	-	-	-	-	Lyceum
N.	-	-	-	-	-	-	-	North College
N. M.	-	-	-	-	-	-	-	North Middle College
N. S. H.	-	-	-	-	-	-	-	North Sheffield Hall
S.	-	-	-	-	-	-	-	South College
S. H.	-	-	-	-	-	-	-	Sheffield Hall
S. M.	-	-	-	-	-	-	-	South Middle College
TR.	-	-	-	-	-	-	-	Treasury Building
W.	-	-	-	-	-	-	-	West Divinity Hall

Upon the College Square, the rooms numbered from 1 to 32 are in South College; from 33 to 64 in South Middle College; from 65 to 96 in North Middle College; from 97 to 128 in North College; from 129 to 177 in Farnam College; from 178 to 185 in the Lyceum; from 186 to 200 in the Old Chapel; from 201 to 240 in Durfee College.

The rooms in East Divinity Hall are numbered from 1 to 54; in West Divinity Hall from 55 to 124.

The rooms in Sheffield Hall are numbered from 1 to 22; in North Sheffield Hall from 28 to 58.

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LUCIUS W. FITCH, M.A.

(5 TR.) Westville

## CALENDAR

---

### 1879

11 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
25 Sept.	Thursday	Fall Term, Department of Law, begins.
1 Oct.	Wednesday	School of the Fine Arts, term begins.
2 Oct.	Thursday	First Term, Department of Medicine, begins.
18 Dec.	Thursday	FIRST TERM ends.

### 1880

#### Winter Vacation of three weeks.

8 Jan.	Thursday	SECOND ACADEMICAL TERM begins.
11 Feb.	Wednesday	First Term, Department of Medicine, ends.
26 Feb.	Thursday	Second Term, Dep't. of Medicine, begins.
11 March	Thursday	Junior Exhibition.
17 March	Wednesday	SPRING RECESS of two weeks begins.
25 March	Thursday	Winter Term, Department of Law, ends.
31 March	Wednesday	SPRING RECESS ends.
8 April	Thursday	Spring Term, Department of Law, begins.
6 May	Thursday	Berkeley Scholarship Examination.
11, 12 May	Tuesd., Wedn.	Annual Examination, Dep't. of Theology.
13 May,	Thursday	Anniversary, Department of Theology.
24 May	Monday	Woolsey Scholarship Examination begins.
24 May	Monday	Winthrop Prize Examination.
31 May	Monday	School of the Fine Arts, term ends.
25 June	Friday	DeForest Prize Speaking.
27 June	Sunday	Baccalaureate Sermon.
28 June	Monday	Anniversary of the Department of Medicine.
29 June	Tuesday	Anniversary of the Sheffield Scientific School.
29 June	Tuesday	Presentation for Degrees, Academical Dep't.
30 June	Wednesday	Anniversary of the Society of Alumni.
30 June	Wednesday	Anniversary of the Department of Law.
1 July	Thursday	COMMENCEMENT.
2, 3 July	Friday and Sat.	Examinations for admission to the Academical Department and to the Sheffield Scientific School.

#### Summer Vacation of eleven weeks.

14, 15 Sept.	Tuesd., Wedn.	Examinations for admission.
16 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
30 Sept.	Thursday	Fall Term, Department of Law, begins.
7 Oct.	Thursday	First Term, Department of Medicine, begins.
23 Dec.	Thursday	FIRST TERM ends.

## FACULTY AND INSTRUCTORS

---

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---

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# DEPARTMENT OF THEOLOGY

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## FACULTY

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REV. SAMUEL HARRIS, D.D., LL.D.  
REV. GEORGE P. FISHER, D.D., LL.D.  
REV. TIMOTHY DWIGHT, D.D.  
REV. WILLIAM M. BARBOUR, D.D.

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## SPECIAL LECTURERS

Rev. HOWARD CROSBY, D.D., LL.D., *on Preaching*  
Rev. JOHN HALL, D.D., *on Ministerial Piety*  
Prof. ASA GRAY, LL.D., *on the Antagonisms of Scientific and Theological Thought, and how they are to be met or reconciled*  
Rev. NATHANIEL G. CLARK, D.D., *on Modern Missions as a part of Church History*  
Prof. LEONARD J. SANFORD, M.D., *on the Preservation of Health*

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## RESIDENT LICENTIATES

### ATTENDING LECTURES

Frederick William Ernst, B.D., B.A. Dartmouth College	Boston, Mass.	82 W.
William Gussman	North Haven	Library, E.
Edward Howlett Harvey, Union Theological Seminary	Augusta, Mich.	458 Chapel st.
Daniel Albright Long, M.A., Trinity College, N. C.	Graham, N. C.	35 High st.
Zacharias Marten, Rochester Theol. Seminary	New Haven	2 Broad st.
James Rawlins, Hartford Theol. Seminary	New Haven	75 W.

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## GRADUATE CLASS

Frank Anson Bissell, B.A., Amherst College	Amherst, Mass.	31 E.
Charles Edward Garman, B.D., B.A. Amherst College ( <i>on the Hooker Fellowship</i> )	North Orange, Mass.	23 E.
William Bailey Hague, B.D., M.A. Knox College	Galesburg, Ill.	39 E.
Gurney Mahan Orvis, B.D., B.A. Oberlin College	Philadelphia, Pa.	132 College st.

## SENIOR CLASS

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Wittenberg College }		
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Lemuel Ballantine Bissell, B.A. }	<i>Hudson, O.</i>	31 E.
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William Fremont Blackman, B.A. }	<i>Kirksville, Mo.</i>	102 W.
Oberlin College }		
Frank Theodore Clark	<i>Buckland, Mass.</i>	17 E.
James Oscar Emerson, B.A. }	<i>Pittsfield, N. H.</i>	99 W.
Bates College }		
Walter Berkley Floyd, }	<i>Greenfield, Ill.</i>	19 E.
Blackburn University }		
Archibald Hadden, B.A. }	<i>Cleveland, O.</i>	103 W.
Oberlin College }		
William Warner Hibbard, M.D. }	<i>Springfield, Mass.</i>	18 E.
Harvard University }		
Frank Sargent Hoffman, B.A. }	<i>Galesburg, Ill.</i>	84 W.
Amherst College }		
William Beardsley Hubbard, B.A. }	<i>Shirland, Ill.</i>	76 W.
Beloit College }		
William Pari Huws, }	<i>Dolyddelen, Wales</i>	33 E.
Bala College }		
William White Leete, B.A. }	<i>New Haven</i>	80 W.
Amherst College }		
Alfred Moses Masenheimer, }	<i>Egypt, Pa.</i>	34 E.
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Beloit College }		
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Bala College }		
George William Reynolds, B.A. }	<i>Farmington, Me.</i>	114 W.
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John Edward Russell, B.A. }	<i>Walpole, N. H.</i>	109 W.
Williams College }		
Benjamin St. John, B.A. }	<i>Riceville, Iowa</i>	78 W.
Iowa College }		
Charles Albert Savage, B.A. }	<i>Stowe, Vt.</i>	25 E.
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Henry Tarrant	<i>Market Lavington, England</i>	40 E.
Evan Thomas, B.A. }	<i>Granville, O.</i>	32 E.
Denison University }		
Edward Clark Winslow, M.A. }	<i>New Haven</i>	89 W.
Amherst College }		

## MIDDLE CLASS

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Frederick Alberto Balcom, B.A. }	<i>Grafton, Mass.</i>	36 E.
Williams College }		
William Miller Beardshear, B.A. }	<i>Dayton, O.</i>	12 E.
Otterbein University }		
George Bothwell, M.A. }	<i>Fostoria, O.</i>	10 E.
Adrian College }		
Alden Buel Case, B.A. }	<i>Bensonia, Mich.</i>	44 E.
Tabor College }		
Joseph Aubrey Chase, B.A. }	<i>Lewiston, Me.</i>	41 E.
Bates College }		
William Franklin Coburn, }	<i>Lancaster, N. H.</i>	93 W.
Dartmouth College }		
Pliny Barnard Fisk, B.A. }	<i>Waitsfield, Vt.</i>	49 E.
University of Vermont }		
George William Griffith, }	<i>Springfield, O.</i>	95 W.
Franklin and Marshall Coll. }		
Charles Wesley Headley, B.A. }	<i>Winnebago City, Minn.</i>	15 E.
Ripon College }		
Newton Irving Jones, }	<i>Enfield, N. H.</i>	27 E.
Dartmouth College }		
Edward Duncan Kelsey, B.A. }	<i>Columbus, O.</i>	15 E.
Marietta College }		
Isaac Althaus Loose, B.A. }	<i>Upper Bern, Pa.</i>	13 E.
Otterbein University }		
John Nicholas Matincheff }	<i>Samokove, Bulgaria</i>	12 E.
Oberlin College }		
George Edward Nichols, B.A. }	<i>Philadelphia, Pa.</i>	108 W.
University of Lewisburg }		
Benjamin Chandler Pilsbury, M.A. }	<i>Stratford</i>	81 W.
Wesleyan University }		
Charles Wellington Shelton }	<i>Birmingham</i>	29 E.
William Herbert Thrall, B.A. }	<i>Oakland, Cal.</i>	38 E.
Amherst College }		
George Washington Trimble, B.A. }	<i>Greenwood, Mo.</i>	42 E.
Beloit College }		
Charles Henry Willcox, B.A. }	<i>Chicago, Ill.</i>	106 W.

## JUNIOR CLASS

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Oberlin College }		
Edward Haughton Ashmun, B.A. }	<i>Weeping Water, Nebr.</i>	43 E.
Tabor College }		
George Sumner Baskerville, }	<i>Moors, N. Y.</i>	111 W.
Hampden Sidney College }		
John Dexter Belknap, PH.B. }	<i>Syracuse, N. Y.</i>	117 W.
Syracuse University }		
Arthur Dart Bissell, B.A. }	<i>Ahmednagar, India</i>	30 E.
Amherst College }		
George Francis Comstock, B.A. }	<i>Woonsocket, R. I.</i>	41 E.
Brown University }		
Charles Everett Dealand, }	<i>Alton, N. H.</i>	2 E.
Dartmouth College }		
John Lester Franklin, B.A. }	<i>New Haven</i>	24 E.
Winthrop Butler Hawks, B.A. }	<i>Marietta, O.</i>	105 W.
Marietta College }		
Charles Edward Herbert, B.A. }	<i>Monroe</i>	48 E.
Amherst College }		
John Jacob Hill, B.A. }	<i>Pittsburgh, Pa.</i>	26 E.
John Michael Holzinger, B.A. }	<i>Charles City, Iowa</i>	8 E.
Olivet College }		
William Wells Jordan, B.A. }	<i>Fairfield, Iowa</i>	113 W.
Marietta College }		
George Tapscott Knott, B.A. }	<i>Springfield, Mo.</i>	91 W.
Nestor Light, B.A. }	<i>Milford</i>	46 E.
Oberlin College }		
George Lindsay, }	<i>Tabor, Iowa</i>	43 Clark st.
Tabor College }		
William Gerry Mann, B.A. }	<i>Skowhegan, Me.</i>	54 E.
Colby University }		
William Augustine Munson, M.A. }	<i>New Haven</i>	90 York st.
Wesleyan University }		
Silas Shoemaker Neff }	<i>Greensburg, Pa.</i>	112 W.
Edward McArthur Noyes, B.A. }	<i>New Haven</i>	28 E.
Charles Huntington Peck, M.A. }	<i>New Haven</i>	37 E.
Richard Evan Peregrine, }	<i>Maesteg, Wales</i>	53 E.
Memorial Coll., S. Wales }		
James Amos Porter, B.A. }	<i>Vandalia, Mo.</i>	20 E.
Wooster University }		
Alfred Playfair Powelson, B.A. }	<i>Plainfield, O.</i>	90 W.
Adrian College }		
William Grafton Roberts, M.A. }	<i>Hudson, Mich.</i>	83 W.
Adrian College }		
Clifford Hayes Smith, B.A. }	<i>West Brattleboro, Vt.</i>	50 E.
Dartmouth College }		
Thomas Dionysius Thomas, }	<i>Llandyssil, Wales</i>	53 E.
Bala College }		

1879-80]

*Theological Department*

15

William Arter Thomas, }	<i>Alliance, O.</i>	35 E.
Mount Union College }		
John Ellery Tuttle, B.A. }	<i>Perry, Me.</i>	22 E.
Amherst College }		
Francis Hubbard Viets, B.A. }	<i>East Granby</i>	45 E.
Brown University }		
Albert Warren, B.A.	<i>Leicester, Mass.</i>	4 E.
Charles Edgar Willbur, B.A. }	<i>Manorville, N. Y.</i>	88 W.
Adrian College }		

## SUMMARY

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MIDDLE CLASS	.	.	.	.	.	20
JUNIOR CLASS	.	.	.	.	.	32
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 for the Insane, *Lecturer on Insanity*  
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 WILLIAM H. HOTCHKISS, M.D., *Demonstrator in Anatomy*

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Loren True Day	<i>Waterbury</i>	231 Crown st.
Henry Doutteill	<i>New Haven</i>	103 Court st.
Charles Hubbard Howland	<i>New Haven</i>	206 Exchange st.
Harman Jarvis Kelsey	<i>West Haven</i>	West Haven
Charles Edward McGowan, A.B. { St. John's College }	<i>New Haven</i>	187 Hamilton st.
Edward Kilbourn Roberts, PH.B.	<i>New Haven</i>	8 Brown st.
William Spencer Russell	<i>Wallingford</i>	74 High st.
Leonidas Curtin Vinal	<i>New Haven</i>	383 Orchard st.
Samuel Wendell Williston, M.A. { Kansas State Agric. College }	<i>Manhattan, Kan.</i>	162 Olive st.

SENIOR CLASS, 10

## MIDDLE CLASS

Henry William Allan	<i>New Haven</i>	79 York st.
William Henry Brinley	<i>New Haven</i>	27 Davenport av.
George Marland Bush	<i>New Haven</i>	132 Bradley st.
Charles Warren Dana	<i>New Haven</i>	16 Leonard st.
Julius Sanford Silliman	<i>Bridgeport</i>	Bridgeport
James Ebenezer Stetson	<i>New Haven</i>	34 Prospect st.
Caryl Fenelon Seely White	<i>New Haven</i>	104 York st.

MIDDLE CLASS, 7

## JUNIOR CLASS

Enoch George Best	<i>Holyoke, Mass.</i>	34 Salem st.
Louis Shepard DeForest, B.A.	<i>New Haven</i>	19 Compton st.
Lucius Parmenas Deming, Jr.	<i>East Haven</i>	East Haven
William Whitney Hawkes, B.A.	<i>New Haven</i>	65 Martin st.
Walter Lonsdale Lea	<i>Virginia</i>	489 Chapel st.
James Joseph Lenahan	<i>New Haven</i>	127 Martin st.
Walter Remington Nichols	<i>Branford</i>	Branford
Charles Edwin Park	<i>New Haven</i>	129 Olive st.
John Baptiste Poyer	<i>New Britain</i>	217 Grand st.
Dwight Alfonso Richardson	<i>Ansonia</i>	Ansonia
Herbert Eugene Smith, PH.B.	<i>Hartford</i>	187 Temple st.
Edward Southworth, B.A.	<i>West Springfield, Mass.</i>	38 High st.
Robert Armstrong Welch	<i>Philadelphia, Pa.</i>	109 Elm st.

JUNIOR CLASS, 13

## SPECIAL STUDENTS

John Pomeroy Bartlett, PH.B.	<i>New Britain</i>	16 N. S. H.
John Michael Holzinger, B.A. } Olivet College	<i>Charles City, Iowa</i>	8 E.

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THEODORE S. WOOLSEY, LL.B.

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Legislation*  
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*Lecturer on Forensic Elocution*  
FREDERIC H. BETTS, M.A.  
*Lecturer on Patent Law*  
JOHN A. ROBINSON, LL.B., M.D.  
*Librarian*

---

## GRADUATE STUDENTS

Bruce Fenn, PH.B., LL.B., } Attorney at Law	New Haven	191 Church st.
George Gluyas Mercer, B.A. } Haverford College, LL.B. Univ. of Pa., D.C.L., Attorney at Law	Philadelphia, Pa.	420 Chapel st.
Kazuo Hatogama (late Miura), LL.B. } Columbia Coll., M.L., Attorney at Law	Tokio, Japan	200 East Grand st.
Isaac Franklin Russell, M.L., } LL.B. N. Y. Univ., Attorney at Law	Brooklyn, N. Y.	74 High st.
Edwin Burritt Smith, LL.B. } Union College of Law	Chicago, Ill.	132 College st.
William Kneeland Townsend, } B.A., M.L., Attorney at Law	New Haven	174 Orange st.

GRADUATE STUDENTS, 6

## SENIOR CLASS

William John Beecher	<i>Fairfield</i>	113 George st.
Amos Avery Browning, PH.B.	<i>Norwich</i>	153 Crown st.
George Lafayette Camm	<i>New Haven</i>	39 Sperry st.
Samuel Leonard Tilley Carvell	<i>Hampton, Canada</i>	97 Chapel st.
Jesse Lewis Case, B.A.	<i>Peconic, N. Y.</i>	18 Home pl.
John Wallace Childs, } Attorney at Law	<i>Chicago, Ill.</i>	123 Chapel st.
Will Vanlier Childs, } Attorney at Law	<i>Kansas City, Mo.</i>	123 Chapel st.
William Henry Everett	<i>Easton</i>	196 Crown st.
Edwin Burpee Goodell, B.A.	<i>Ellington</i>	186 Chapel st.
Hadlai Austin Hull	<i>Mystic</i>	316 Grand st.
Bernard Keating	<i>Bridgeport</i>	Bridgeport
William DeWitt Kellogg	<i>South Lee, Mass.</i>	32 Clinton av.
Henry Winslow Lamb	<i>New Haven</i>	753 W. Chapel st.
William Henry Law, Jr., B.A.	<i>New Haven</i>	144 Orange st.
Robert Alfred Lowe	<i>New Haven</i>	44 York sq. pl.
James Hodge McLean	<i>Trenton, Ga.</i>	155 Elm st.
John Martin Murdoch	<i>Middletown</i>	420 Chapel st.
Charles Henry Northrop	<i>Newtown</i>	153 Crown st.
Miner Gibbs Norton, PH.B. } Mt. Union College	<i>Jefferson, O.</i>	170 George st.
James Protus Pigott, B.A.	<i>New Haven</i>	132 Hamilton st.
Orlando Belknap Pond	<i>New Haven</i>	70 Pierpont st.
Edwin Archer Randolph	<i>Richmond, Va.</i>	52 E. D. H.
Edward Lyon Robinson	<i>Columbus, O.</i>	44 Elm st.
James Rosenthal	<i>Chicago, Ill.</i>	696 State st.
William Ruggles Sanborn, B.A.	<i>New Haven</i>	17 Home pl.
Gerrit Smith, B.A.	<i>New Haven</i>	186 Chapel st.
Clinton Spencer, B.A.	<i>Suffield</i>	20 Home pl.
George Loomis Sterling, B.A.	<i>New Haven</i>	198 Crown st.
Albert Lewis Talcott, PH.B. } Mt. Union College	<i>Jefferson, O.</i>	170 George st.
Charles Martin Taylor	<i>Lanesboro', Pa.</i>	35 High st.
Ezra Armstrong Tuttle	<i>Oswego, N. Y.</i>	44 York sq.
James Eugene Walsh	<i>Pittsfield, Mass.</i>	139 Wallace st.
John George Wilson, } Attorney at Law	<i>Rochester, N. Y.</i>	136 Crown st.
Charles Eggleston Woodruff	<i>Berlin</i>	New Britain

## JUNIOR CLASS

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John Barrett	<i>Middletown</i>	Middletown
John Pomeroy Bartlett, PH.B.	<i>New Britain</i>	16 N. S. H.
Edward Lees Bassett	<i>New Haven</i>	262 Crown st.
Foster Saunders Bassett	<i>New Haven</i>	141 Whalley av.
Edward Augustus Bowers, B.A.	<i>New Haven</i>	117 Crown st.
Lucien Francis Burpee, B.A.	<i>Rockville</i>	102 N.
Sidney Elbridge Clark	<i>Hartford</i>	99 Wall st.
Livingston Warne Cleaveland	<i>Kensington</i>	140 York st.
Murray Corrington, B.A. } Knox College	<i>Peoria, Ill.</i>	109 Orange st.
Willard Anthony Davis	<i>Boston, Mass.</i>	74 High st.
Charles Henry James Douglas, B.A. } Brown University	<i>Providence, R. I.</i>	15 Home pl.
Willis Ira Fenn	<i>Meriden</i>	Meriden
Emerson Young Foote, PH.B.	<i>New Haven</i>	113 Park st.
Norman Norton Fowler	<i>Agawam, Mass.</i>	27 Mansfield st.
Oswin Hart Doolittle Fowler, PH.B.	<i>North Haven</i>	22 Exchange B'ld'g
Abraham Lincoln Frisch	<i>Milwaukee, Wisc.</i>	38 Elm st.
John Currier Gallagher, PH.B.	<i>New Haven</i>	21 Olive st.
Harry Alvan Hall	<i>St. Mary's, Pa.</i>	96 W.
Edwin Cooper Haynie, B.A.	<i>Springfield, Ill.</i>	237 Orange st.
Ernest Hitchcock, B.A. } Wesleyan University	<i>Pittsford, Vt.</i>	420 Chapel st.
Clarence Hill Kelsey, B.A.	<i>Bridgeport</i>	91 W. D. H.
Charles Barton Matthewman	<i>New Haven</i>	14 Vernon st.
Allan Wallace Paige	<i>Danbury</i>	26 Brown st.
Terah Haggin Patterson	<i>Georgetown, Ky.</i>	38 Elm st.
Joel Howard Reed	<i>Albany, N. Y.</i>	191 Temple st.
Walter James Scott	<i>New Haven</i>	20 Downes st.
Edwin Allan Smith	<i>New Haven</i>	37 Ward st.
Harry Hinman Wadsworth	<i>Farmington</i>	165 Temple st.
Otis Harvey Waldo, B.A.	<i>Milwaukee, Wisc.</i>	171 Crown st.
JUNIORS, 30		

## SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE

Charles Perry Hull	<i>Lebanon</i>	128 High st.
Stuart Rice	<i>St. Paul, Minn.</i>	155 Elm st.
Carlo Leonardo Speranza	<i>Padua, Italy</i>	70 W.
Chapin Hall Wetmore	<i>Busti, N. Y.</i>	18 Home pl.

SPECIAL STUDENTS, 4

# DEPARTMENT OF PHILOSOPHY AND THE ARTS

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ADDISON VAN NAME, M.A.  
J. WILLARD GIBBS, Ph.D.  
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THOMAS R. LOUNSBURY, B.A.  
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FRANCIS A. WALKER, Ph.D.  
JOHN H. NIEMEYER, M.A.  
FRANKLIN B. DEXTER, M.A.  
OSCAR D. ALLEN, Ph.D.  
WILLIAM I. KNAPP, Ph.D.  
ADDISON E. VERRILL, M.A.  
FRANKLIN CARTER, Ph.D.  
WILLIAM G. SUMNER, B.A.  
FREDERIC D. ALLEN, Ph.D.  
SIDNEY I. SMITH, Ph.B.  
WILLIAM G. MIXTER, Ph.B.  
HENRY P. WRIGHT, Ph.D.  
HENRY A. BEERS, B.A.  
A. JAY DuBOIS, Ph.D.

## GRADUATE STUDENTS

William Whittlesey Abbott, PH.B.	<i>New Haven</i>	257 Church st.
Otis Elihu Atwater, B.A.	<i>Brattleboro, Vt.</i>	34 S. M.
Fritz Walter Baldwin, M.A. } Bates College	<i>Lewiston, Me.</i>	72 High st.
John Pomeroy Bartlett, PH.B.	<i>New Britain</i>	16 S. H.
Arthur Dart Bissell, B.A. } Amherst College	<i>Ahmednagar, India</i>	30 E.
Clarence Winthrop Bowen, M.A.	<i>New York City</i>	New York City
Lloyd Wheaton Bowers, B.A.	<i>Elizabeth, N. J.</i>	26 E.
James Raymond Brackett, M.A. } Bates College	<i>Lewiston, Me.</i>	35 Sylvan av.
Robert Rodes Burnam, B.A. } Central University	<i>Richmond, Ky.</i>	170 George st.
Joseph Hanson Chamberlin, M.A. } Beloit College	<i>Beloit, Wisc.</i>	125 Dwight st.
Russell Henry Chittenden, PH.B.	<i>New Haven</i>	95 Humphrey st.
Edward Bull Clapp, M.A. } Illinois College	<i>Godfrey, Ill.</i>	Westville
William James Comstock, PH.B.	<i>Toledo, O.</i>	37 College st.
George Crosswell Cressy, M.A. } Bowdoin College	<i>Bath, Me.</i>	74 High st.
Henry Herbert Donaldson, B.A.	<i>Stockbridge, Mass.</i>	120 W.
Adoniram Judson Eaton, B.A. } Harvard University, M.A. Acadia College	<i>Annapolis, Nova Scotia</i>	146 College st.
Augustus James Emery, PH.B.	<i>Bangor, Me.</i>	544 Chapel st.
Henry Allen Hazen, M.A. } Dartmouth College	<i>New Haven</i>	298 Chapel st.
Edmund Morris Hyde, M.A. } Trinity College	<i>Cheshire</i>	Cheshire
Jefferson Engel Kershner, B.A. } Franklin and Marshall College	<i>Leesport, Pa.</i>	26 Trumbull st.
Joseph Frederick Klein, D.E.	<i>New Haven</i>	86 Nichols st.
Benjamin Franklin Koons, B.A. } Oberlin College	<i>Sulphur Springs, O.</i>	36 Court st.
Charles Newton Little, B.A. } Nebraska University	<i>Lewis, Iowa</i>	135 Elm st.
William Hull MacCarthy, B.A. } Lehigh University	<i>New Haven</i>	17 Wooster pl.
Charles Miller, B.A.	<i>Williston, Vt.</i>	102 N.
Samuel Lewis Penfield, PH.B.	<i>Catskill, N. Y.</i>	14 S. H.
James Amos Porter, B.A. } University of Wooster	<i>Vandalia, Mo.</i>	20 E.
Richard Rathbun } Cornell University	<i>Buffalo, N. Y.</i>	N. S. H.
Albert William Shaw, B.A.	<i>Buffalo, N. Y.</i>	6 S.

George Fort Slocum, B.A. }	<i>Scottsville, N. Y.</i>	21 E.
University of Rochester }		
Heman Bangs Smith, M.D.	<i>New Haven</i>	102 Howe st.
Frederick Sumner Smith, B.A.	<i>New Haven</i>	78 Trumbull st.
Ebin Jennings Ward, PH.B.	<i>Marseilles, Ill.</i>	251 Church st.
William Everett Waters, B.A.	<i>Cincinnati, O.</i>	6 Library st.
Albert Lowry Webster, PH.B.	<i>Staten Island, N. Y.</i>	14 S. H.
Horace Lemuel Wells, PH.B.	<i>New Britain</i>	47 N. S. H.
Samuel Porter Willard, B.A.	<i>Colchester</i>	102 N.
Samuel Wendell Williston, M.A. }	<i>Manhattan, Kan.</i>	162 Olive st.
Kansas State Agric. College }		
George Leverett Wilson, PH.B.	<i>West Killingly</i>	47 N. S. H.

GRADUATE STUDENTS, 39



## UNDERGRADUATE ACADEMICAL DEPARTMENT

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### FACULTY

REV. NOAH PORTER, D.D., LL.D., PRESIDENT

ELIAS LOOMIS, LL.D.

JAMES D. DANA, PH.D., LL.D.

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WILLIAM BEEBE, B.A.

ANDREW W. PHILLIPS, PH.D.

EDWARD D. ROBBINS, LL.B.

EDMUND ZACHER, LL.B.

HENRY W. FARNAM, M.A.

ARTHUR T. HADLEY, B.A.

## SENIOR CLASS

Henry Wilbur Aiken	<i>Millbury, Mass.</i>	10 S.
William Lafayette Allen, Jr.	<i>Brooklyn, N. Y.</i>	165 F.
William Palmer Allen	<i>Auburn, N. Y.</i>	222 D.
John Arnold Amundson	<i>Rochester, Minn.</i>	228 D.
Wilmore Anway	<i>Florida, N. Y.</i>	176 F.
William Cooper Asay	<i>Chicago, Ill.</i>	13 S.
Cecil Kent Austin	<i>Philadelphia, Pa.</i>	26 S.
Frank Hamilton Ayer	<i>Nashua, N. H.</i>	203 D.
William Ransom Barbour	<i>New Haven</i>	201 D.
Charles Platt Barker	<i>Brooklyn, N. Y.</i>	14 S.
William DeLuce Barnes	<i>Brooklyn, N. Y.</i>	219 D.
Willis Benner	<i>Astoria, N. Y.</i>	210 D.
Edward Manross Bentley	<i>Ellenville, N. Y.</i>	176 F.
Conrad Berens	<i>Philadelphia, Pa.</i>	119 N.
William Darius Bishop, Jr.	<i>Bridgeport</i>	204 D.
Charles Franklin Bliss	<i>New Haven</i>	215 D.
William Bishop Boomer	<i>Chicago, Ill.</i>	132 F.
Frank Wilson Booth	<i>Bennington, Vt.</i>	209 D.
Frederick Brooks	<i>New York City</i>	169 F.
George Artemas Brown	<i>Barre, Mass.</i>	239 D.
Walter Hull Buell	<i>Madison</i>	138 F.
John Edward Bushnell	<i>Old Saybrook</i>	138 F.
Walter Chauncey Camp	<i>New Haven</i>	232 D.
Donald Yorke Campbell	<i>Oakland, Cal.</i>	222 D.
Frank Parker Chamberlain	<i>New York City</i>	164 F.
Walter Henry Chapin	<i>Agawam, Mass.</i>	209 D.
Irving Hall Chase	<i>Waterbury</i>	212 D.
George Henry Clark, Jr.	<i>Hartford</i>	206 D.
William Gibbons Daggett	<i>New Haven</i>	163 F.
Elias Wyman Davis	<i>Worcester, Mass.</i>	135 F.
William Emery Decrow	<i>Bangor, Me.</i>	151 F.
Arthur Cushing Dill	<i>New Haven</i>	118 N.
John Marshall Douglas	<i>Chicago, Ill.</i>	213 D.
Asa John Farwell	<i>Hartford</i>	152 F.
Walter Bixby Ferguson	<i>North Dixmont, Me.</i>	525 Chapel st.
Peter Flint	<i>Port Henry, N. Y.</i>	202 Orange st.
Roscoe Rush Giltner	<i>Oakland, Cal.</i>	97 N.
Frank Goodrich	<i>Auburn, N. Y.</i>	135 F.
Nathaniel Gordon	<i>Exeter, N. H.</i>	107 N.
Henry Lee Gower	<i>New Haven</i>	309 Orange st.
Edmund Frank Green	<i>Oakland, Cal.</i>	211 D.
Charles Willard Haines	<i>Colchester</i>	181 L.
Edwin Cæsar Malan Hall	<i>Fair Haven</i>	2 S.

William Montague Hall	<i>Ashfield, Mass.</i>	228 D.
John Slosson Harding	<i>Wilkes Barre, Pa.</i>	173 F.
William Hudson Harper	<i>Washington, D. C.</i>	235 D.
William Thorn Haviland	<i>Bridgeport</i>	204 D.
John Philip Helfenstein	<i>Shamokin, Pa.</i>	123 N.
Charles Adams Holbrook	<i>North Auburn, Me.</i>	464 Chapel st.
Alfred Edwards Hooker	<i>New Haven</i>	163 F.
Frank Whetstone Hopkins	<i>Cincinnati, O.</i>	231 D.
John Tomlinson Hubbard	<i>Litchfield</i>	214 D.
William Forrest Hutchison	<i>Norwich</i>	227 D.
William Reynolds Innis	<i>Poughkeepsie, N. Y.</i>	201 D.
Walter Jennings	<i>Fairfield</i>	169 F.
Frederic William Keator	<i>Moline, Ill.</i>	134 F.
Dana William Kellogg	<i>Hartford</i>	227 D.
William Swift Keyser	<i>Milton, Fla.</i>	172 F.
Preston King	<i>Minneapolis, Minn.</i>	231 D.
Edward Weston Knevals	<i>New York City</i>	262 D.
Samuel Waldron Lambert	<i>New York City</i>	215 D.
David Charles Lines	<i>New Haven</i>	210 D.
Cadwallader Edwards Linthicum, B.A.	} <i>Millersville, Md.</i>	67 N. M.
St. John's College, Md.		
Wilson Cary McHenry	<i>Baltimore, Md.</i>	217 D.
Robert DeLosse Martin	<i>Tiffin, O.</i>	224 D.
Remsen Varick Messler	<i>Pittsburgh, Pa.</i>	172 F.
Simon Charles Metzger	<i>New Haven</i>	17 Grove st.
Frederick Stillman Morrison	<i>Holyoke, Mass.</i>	108 N.
Thomas Robert Morrow	<i>Hartford</i>	106 N.
William D. Murray	<i>Plainfield, N. J.</i>	216 D.
John James Nairn	<i>Washington, D. C.</i>	219 D.
James Edward Newcomb	<i>New London</i>	165 F.
Alfred Bull Nichols	<i>New Haven</i>	134 F.
Edward Parish Noyes	<i>Wilmington, Mass.</i>	161 F.
Henry Choate Ordway	<i>Hampstead, N. H.</i>	239 D.
Wilbur Parker	<i>Cleveland, O.</i>	166 F.
Sidney Catlin Partridge	<i>Brooklyn, N. Y.</i>	132 F.
LeRoy Bliss Peckham	<i>Lebanon</i>	140 F.
William Allison Peters	<i>Wilkes Barre, Pa.</i>	173 F.
Smith Franklin Phillips	<i>East Chatham, N. Y.</i>	108 N.
John Bliss Porter	<i>Coventry</i>	235 D.
William Ansel Purington	<i>Fairfield, Me.</i>	525 Chapel st.
William Russell Purple	<i>Springfield, Mass.</i>	17 S.
Charles Newton Ransom	<i>Colchester</i>	133 York st.
Horatio McLeod Reynolds	<i>New Haven</i>	133 York st.
Dickinson Woodruff Richards	<i>Litchfield</i>	214 D.
Charles Henry Richardson	<i>Groton, Mass.</i>	140 F.
Alphonso Paine Sawyer	<i>Millbury, Mass.</i>	10 S.
Doremus Scudder	<i>Brooklyn, N. Y.</i>	237 D.
Jay Webber Seaver	<i>Craftsbury, Vt.</i>	17 S.

Robert William Selden	<i>Brandon, Vt.</i>	177 F.
Samuel Swanton Sewall	<i>Bath, Me.</i>	206 D.
John Foster Shepley	<i>St. Louis, Mo.</i>	168 F.
Charles Langdon Sherman	<i>Castleton, Vt.</i>	161 F.
William Hazard Sherman	<i>Providence, R. I.</i>	177 F.
Frederick Platt Skinner	<i>Owego, N. Y.</i>	238 D.
Charles Robert Smith	<i>Green Spring, O.</i>	211 D.
Frederic Morse Smith	<i>Hartford</i>	22 S.
Grant Alexander Smith	<i>Milwaukee, Wisc.</i>	216 D.
Edward Curran Spencer	<i>St. Paul, Minn.</i>	166 F.
Frank Otho Spencer	<i>Cleveland, O.</i>	208 D.
Max Stern	<i>Hartford</i>	106 N.
Harry Waters Taft	<i>Cincinnati, O.</i>	218 D.
John Butler Coles Tappan	<i>Glen Cove, N. Y.</i>	151 F.
Frederick Charles Train	<i>Pomeroy, O.</i>	220 D.
Henry Trowbridge, Jr.	<i>New Haven</i>	41 College st.
Stephen Trumbull	<i>Valparaiso, Chili</i>	153 Crown st.
Eugene Winston Walker	<i>Richmond, Ky.</i>	217 D.
Wirt Dexter Walker	<i>Chicago, Ill.</i>	213 D.
Arthur Eugene Walradt	<i>Chester, Mass.</i>	164 F.
Paul Walton	<i>Ridgewood, N. Y.</i>	208 D.
Edwin Carrington Ward	<i>Farmington</i>	152 F.
James Herbert Watson	<i>Brooklyn, N. Y.</i>	237 D.
David Collin Wells	<i>Fayetteville, N. Y.</i>	224 D.
TenEyck Wendell	<i>Cazenovia, N. Y.</i>	220 D.
Frank Henry Wheeler	<i>Fair Haven</i>	2 S.
Wilson Curtiss Wheeler	<i>New Haven</i>	105 Dwight st.
George Dana White	<i>New York City</i>	6 S.
Heman Charles Whittlesey	<i>Newington</i>	22 S.
Lawrence Wilkinson	<i>Greenwich</i>	238 D.
Walter Crafts Witherbee	<i>New York City</i>	218 D.
John Francis Woodhull	<i>Groton</i>	181 L.
Charles Pemberton Wurts, Jr.	<i>New Haven</i>	65 Whitney av.

## JUNIOR CLASS

Edwin Morgan Adee	<i>New York City</i>	107 W.
Frederic Adler	<i>Milwaukee, Wisc.</i>	12 S.
Edwin Edgerton Aiken	<i>Rutland, Vt.</i>	156 F.
Benjamin Wisner Bacon	<i>Norwich</i>	103 N.
John Hampton Barnes	<i>Pittsburgh, Pa.</i>	225 D.
Danford Newton Barney	<i>Farmington</i>	230 D.
Philip Golden Bartlett	<i>Washington, D. C.</i>	24 S.
Russell Anson Bigelow	<i>West Brattleboro', Vt.</i>	156 F.
Arthur Elmore Bostwick	<i>Litchfield</i>	4 S.
John Eliot Bowen	<i>Brooklyn, N. Y.</i>	24 S.
Edward Paul Brandt	<i>Farmington</i>	145 F.
William Joseph Brewster	<i>New Haven</i>	129 F.
Walter Ray Bridgman	<i>Cleveland, O.</i>	9 S.
Otis Hayford Briggs	<i>Auburn, Me.</i>	69 N. M.
Isaac Bromley	<i>New Haven</i>	133 F.
Herbert Stanley Brown	<i>South Norwalk</i>	103 N.
Joseph Dunn Burrell	<i>Freeport, Ill.</i>	9 S.
George Whitfield Butts	<i>Providence, R. I.</i>	232 D.
Daniel Arthur Carpenter	<i>Afion, N. Y.</i>	4 S.
Clarence Franklin Carroll	<i>New Haven</i>	104 N.
Harry Quinton Cleneay	<i>Cincinnati, O.</i>	159 F.
Charles Porter Coffin	<i>Batavia, Ill.</i>	200 Crown st.
John Caldwell Coleman	<i>New York City</i>	124 N.
John Burnett Collins	<i>St. Joseph, Mo.</i>	131 F.
Howard Junior Curtiss	<i>Stratford</i>	11 S.
Julius Barnes Day	<i>Bridgeport</i>	174 F.
Joseph Benjamin Dimmick	<i>Honesdale, Pa.</i>	31 S.
Ephraim Williams Dixon	<i>Brooklyn, N. Y.</i>	29 S.
John Mowe Drysdale	<i>Yonkers, N. Y.</i>	18 S.
Andrew Penrose Lusk Dull	<i>Harrisburg, Pa.</i>	168 F.
Henry Strong Durand	<i>Rochester, N. Y.</i>	144 F.
John Stewart Durand	<i>Rochester, N. Y.</i>	144 F.
Charles Abbott Schneider Dwight	<i>Englewood, N. J.</i>	124 N.
Waldo Chapin Eames	<i>Providence, R. I.</i>	159 F.
Levi Abraham Eliel	<i>Chicago, Ill.</i>	154 F.
James Richard Ely	<i>New York City</i>	129 F.
Edward Thomas Evans	<i>Pittsburgh, Pa.</i>	1 S.
Sherman Evarts	<i>New York City</i>	90 High st.
Harry Rupert Ewing	<i>Pittsburgh, Pa.</i>	464 Chapel st.
Frank Miller Fargo	<i>Chicago, Ill.</i>	143 F.
Paul James Fenn	<i>New Haven</i>	25 S.
George Park Fisher, Jr.	<i>New Haven</i>	27 Hillhouse av.
Nathaniel Campbell Fisher	<i>New York City</i>	158 F.
Grant Fitch	<i>Milwaukee, Wisc.</i>	27 S.

Charles Joseph French	<i>Evanston, Ill.</i>	175 F.
Philo Carroll Fuller	<i>Grand Rapids, Mich.</i>	25 S.
Henry Parsons Garland	<i>Biddeford, Me.</i>	30 S.
Edward Hooker Gilbert	<i>Ware, Mass.</i>	234 D.
Edward Buttrick Graves	<i>New Haven</i>	149 F.
William Milne Grinnell	<i>New York City</i>	233 D.
Freeman Clark Griswold	<i>Greenfield, Mass.</i>	28 S.
Nathaniel Taylor Guernsey	<i>Dubuque, Iowa</i>	149 F.
Webster Hakes	<i>Norwich</i>	88 N. M.
John Dixon Hall	<i>Norwich</i>	85 N. M.
Reuben Post Hallock	<i>Rocky Point, N. Y.</i>	76 N. M.
William Lammon Harkness	<i>Bellevue, O.</i>	146 F.
Ernest Eldred Hart	<i>Council Bluffs, Iowa</i>	27 S.
Louis Bevier Hasbrouck	<i>Rondout, N. Y.</i>	233 D.
Charles Burnell Hawkes	<i>New Haven</i>	65 Martin st.
Louis Condit Hay	<i>New York City</i>	229 D.
Charles Arthur Heald	<i>Orange, N. Y.</i>	234 D.
Frederic Duncan Helmer	<i>Pike, N. Y.</i>	15 S.
Cyrus Foss Hill	<i>New Haven</i>	183 George st.
William Burr Hill	<i>New Haven</i>	183 George st.
Robert Clark Hine	<i>Stamford</i>	8 S.
Henry Hitchings	<i>Gravesend, N. Y.</i>	8 S.
Charles Wittenberg Holzheimer	<i>Elmira, N. Y.</i>	154 F.
George Henry Hubbard	<i>Woodmont</i>	190 C.
George Edward Ide	<i>Brooklyn, N. Y.</i>	230 D.
James Warren Ingalls	<i>Putnam</i>	190 C.
George Snow Isham	<i>Chicago, Ill.</i>	130 F.
Henry Ives	<i>New Haven</i>	31 S.
Henry Pierson Johnes	<i>Newburgh, N. Y.</i>	147 F.
Edward Fairfield Jones	<i>Brooklyn</i>	71 N. M.
George Marsh Judd	<i>Newtown</i>	15 S.
John William Keller	<i>Paris, Ky.</i>	114 N.
Benjamin Bissell Lamb	<i>Chicago, Ill.</i>	221 D.
James Leighton	<i>Glenburn, Pa.</i>	73 N. M.
Allen Bennett Lincoln	<i>Willimantic</i>	11 S.
Frank Newton Loomis	<i>Granby</i>	16 S.
William Maltby Lovering	<i>Taunton, Mass.</i>	202 D.
Frank Benjamin Lucas	<i>Poquetannock</i>	177 Chapel st.
Calvin Stewart McChesney	<i>Pittstown, N. Y.</i>	113 N.
Richard Hays McDonald	<i>San Francisco, Cal.</i>	18 S.
John Ryan McKee	<i>Pittsburgh, Pa.</i>	71 N. M.
Daniel Walton McMillan	<i>Philadelphia, Pa.</i>	131 F.
Frederick Arnold Manning	<i>Brooklyn, N. Y.</i>	12 S.
John Wesley Manning	<i>Fair Haven</i>	20 S.
Adam Lebrecht Marti	<i>Monroe, Wisc.</i>	217 Crown st.
John Francis Merrill	<i>Rutland, Vt.</i>	146 F.
Albert Henry Moulton	<i>New Haven</i>	76 High st.
Thaddeus Halsted Myers	<i>Yonkers, N. Y.</i>	28 S.

William Wilson Kirchhofer Nixon	Chicago, Ill.	130 F.
Thomas Burr Osborne	New Haven	156 Crown st.
Sheldon Pharis Patterson	Chicago, Ill.	143 F.
Richard Augustus Peabody	New York City	221 D.
William Emerson Peck	New Britain	7 S.
Frederick Pickersgill	Pittsburgh, Pa.	147 F.
Wilson Howard Pierce	Brookfield Center	3 S.
Leonard Hayes Poole	Baltimore, Md.	160 F.
George Barclay Preston	Pittsburgh, Pa.	225 D.
Francis Esty Rice	Framingham, Mass.	139 F.
Harris Richardson	Janesville, Wisc.	141 F.
Arthur Heyward Ripley	New York City	142 F.
Lawrence Rolfe	Auburn, Me.	69 N. M.
Charles Burton Schram	Milwaukee, Wisc.	139 F.
Frederick Seymour	Whitney's Point, N. Y.	30 S.
James Sheldon	New York City	124 High st.
George Bliss Silliman	East Haddam	23 S.
Edward Lewis Simonds	New Orleans, La.	142 F.
John Clark Smith	New Haven	92 N. M.
William Francis Smith	Colebrook	98 N.
Henry Hezekiah Sprague	Newark, O.	32 S.
Frederic Haile Stebbins	Springfield, Mass.	7 S.
Arthur Griffin Stedman	New York City	155 F.
Willis Betts Sterling	Cleveland, O.	202 D.
Isaac Thomas	Pottstown, Pa.	200 Crown st.
Norman Frederick Thompson	Rockford, Ill.	32 S.
Francis Herbert Tichenor	Parishville, N. Y.	113 N.
Edward Staats DeGrote Tompkins	Kinderhook, N. Y.	72 N. M.
Henry Nelson Tuttle	Chicago, Ill.	229 D.
Edward Lambert Twombly	Boston, Mass.	158 F.
Edwin Stewart Underhill	Bath, N. Y.	23 S.
Adrian Sebastian Van de Graaff	Los Angeles, Cal.	157 F.
Frederic Richardson Vernon	Brooklyn, N. Y.	226 D.
Howard Talbot Walden	Brooklyn, N. Y.	29 S.
William Reid Walker	Skull Shoals, S. C.	177 Chapel st.
George Martin Wallace	Wallingford	74 N. M.
Pinckney Alston Waring	Savannah, Ga.	145 F.
Everett Warren	Scranton, Pa.	73 N. M.
Eben Hale Wells	Chicago, Ill.	174 F.
George Wakeman Wheeler, Jr.	Hackensack, N. J.	11 S.
Sherman Leland Whipple	New London, N. H.	104 N.
Arthur Eli White	New York City	90 High st.
Henry Charles White	New Haven	157 F.
Lasell Hayden White	Richmondville, N. Y.	494 Chapel st.
Charles Octavius Whitmore	Farmington	226 D.
George Woolsey	New Haven	250 Church st.
James Edwin Zunts	New Orleans, La.	16 S.

JUNIORS, 139

## SOPHOMORE CLASS

Frank Frost Abbott	<i>Redding</i>	100 N.
John Lanson Adams	<i>Westport</i>	187 C.
James Ferguson Allen	<i>New Haven</i>	251 Church st.
Martin Smith Allen	<i>Brooklyn, N. Y.</i>	63 W.
Albert Hoffman Atterbury	<i>Trenton, N. J.</i>	48 College st.
Walter Irving Badger	<i>Boston, Mass.</i>	46 S. M.
William Elder Bailey	<i>Harrisburg, Pa.</i>	47 S. M.
Harry Rudolph Baltz	<i>Philadelphia, Pa.</i>	85 W.
Erwin Hinckley Barbour	<i>Oxford, O.</i>	66 N. M.
Henry Weldon Barnes	<i>Pittsburgh, Pa.</i>	45 S. M.
William Woodward Barrow	<i>New York City</i>	81 N. M.
Floyd Julius Bartlett	<i>Warsaw, N. Y.</i>	39 S. M.
Mortimer Stratton Bate	<i>Brooklyn, N. Y.</i>	42 S. M.
Robert Parker Bates	<i>Bennington, Vt.</i>	162 F.
Morgan Hawley Beach	<i>Alexandria, Va.</i>	59 S. M.
John Fred Beede	<i>Meredith Village, N. H.</i>	77 York st.
Samuel Bennett, Jr.	<i>White Hall, Ky.</i>	170 George st.
Cyrus Bentley, Jr.	<i>Chicago, Ill.</i>	464 Chapel st.
Charles Kingsbury Billings	<i>New York City</i>	A.
John Remsen Bishop	<i>New Brunswick, N. J.</i>	143 York st.
Julius Washburn Bliss	<i>Springfield, Mass.</i>	44 Elm st.
Charles Edward Blumley	<i>Norwich</i>	193 C.
George Shepard Boltwood	<i>New Haven</i>	77 Wall st.
Benjamin Brewster	<i>New Haven</i>	87 N. M.
Ferree Brinton	<i>Philadelphia, Pa.</i>	59 S. M.
Fred John Brockway	<i>Hopkinton, N. H.</i>	77 York st.
Nathaniel Richardson Bronson	<i>Waterbury</i>	148 F.
Wayland Irving Bruce	<i>Poughkeepsie, N. Y.</i>	143 York st.
Charles Winslow Burpee	<i>Rockville</i>	56 S. M.
Robert Camp	<i>Milwaukee, Wisc.</i>	46 S. M.
James Alexander Campbell	<i>St. Louis, Mo.</i>	55 S. M.
Charles Blackwell Case	<i>Three Bridges, N. J.</i>	75 N. M.
David Anderson Chenault, Jr.	<i>Richmond, Ky.</i>	170 George st.
William Churchill	<i>Montclair, N. J.</i>	6 Library st.
Stephen Merrill Clement, Jr.	<i>Buffalo, N. Y.</i>	101 N.
Robert Browning Corey	<i>Elmira, N. Y.</i>	63 W.
Edwin Bradford Cragin	<i>Colchester</i>	186 C.
Bryan Cumming	<i>Augusta, Ga.</i>	186 C.
George Edward Curtis	<i>Birmingham</i>	65 N. M.
Theodore DeWitt Cuyler	<i>Philadelphia, Pa.</i>	223 D.
Frederick Orren Darling	<i>New York City</i>	57 S. M.
Edwin Lynde Dillingham	<i>Bangor, Me.</i>	116 W.
Charles Gibbons Douw	<i>Poughkeepsie, N. Y.</i>	38 W.



Franklin Maynard Eaton	<i>St. Stephens, N. B.</i>	47 S. M.
William Phelps Eno	<i>New York City</i>	100 W.
Frank Cooley Farwell	<i>Chicago, Ill.</i>	223 D.
Augustine FitzGerald	<i>Litchfield</i>	68 W.
Carlton Alexander Foote	<i>New Haven</i>	347 Howard av.
Wilbur Harvey Nash Ford	<i>Milford</i>	25 Park st.
Burnside Foster	<i>Boston, Mass.</i>	58 W.
Asa Palmer French	<i>Braintree, Mass.</i>	55 S. M.
Joseph Emanuel Friend	<i>Milwaukee, Wisc.</i>	79 W.
Harry Chambers Fries	<i>Philadelphia, Pa.</i>	85 W.
Frank Runyon Gallaher	<i>Brooklyn, N. Y.</i>	57 S. M.
Charles Burr Graves	<i>New London</i>	191 C.
George Heber Graves	<i>New Haven</i>	87 N. M.
Chauncey Milton Griggs	<i>St. Paul, Minn.</i>	63 S. M.
Herbert Stanton Griggs	<i>St. Paul, Minn.</i>	63 S. M.
Alfred Chapman Hand	<i>Honesdale, Pa.</i>	194 C.
George Edward Haskell	<i>New Bedford, Mass.</i>	244 Crown st.
James Smith Havens	<i>Weedsport, N. Y.</i>	188. C.
Charles Samuel Hebard	<i>Williamsport, Pa.</i>	62 S. M.
Theodore Holland	<i>New York City</i>	155 Elm st.
Samuel Cornell Hopkins	<i>Catskill, N. Y.</i>	155 Elm st.
Henry Clarke Jefferds	<i>Bangor, Me.</i>	116 W.
Barclay Johnson	<i>New York City</i>	101 W.
Frank Albert Kellogg	<i>New Haven</i>	10 York sq.
John Prescott Kellogg	<i>Waterbury</i>	68 W.
James Henry Kingman	<i>New Bedford, Mass.</i>	244 Crown st.
David Kinlay, Jr.	<i>Andover, Mass.</i>	1 TR.
Alfred Beard Kittredge	<i>East Jaffrey, N. H.</i>	188 C.
Howard Hoyt Knapp	<i>South Norwalk</i>	44 S. M.
Charles Henry Lewis	<i>Naugatuck</i>	187 C.
Tun Yen Liang	<i>Kwang Tong, China</i>	48 College st.
Charles Jonas Long	<i>Wilkes Barre, Pa.</i>	7 Library st.
Seymour Crane Loomis	<i>Suffield</i>	305 Orange st.
Martin Lovering	<i>Harvard, Mass.</i>	1 TR.
Fred. Messenger Lowe	<i>Fitchburg, Mass.</i>	148 F.
Chester Wolcott Lyman	<i>New Haven</i>	88 Trumbull st.
Enoch Wilber McBride	<i>Goshen, N. Y.</i>	61 S. M.
Harry Chapman McKnight	<i>Ellington</i>	90 N. M.
Herbert Lyman Moody	<i>Brooklyn, N. Y.</i>	42 S. M.
Charles Newton Morris	<i>West Hartford</i>	53 S. M.
George Wells Morrison	<i>Thompsonville</i>	48 S. M.
Arthur Sherwood Osborne	<i>New Haven</i>	156 Crown st.
Frank Edward Page	<i>Bath, Me.</i>	162 F.
Josiah Culbert Palmer	<i>Brooklyn, N. Y.</i>	39 S. M.
William Scranton Pardee	<i>New Haven</i>	327 George st.
Samuel Maxwell Parke	<i>Pittston, Pa.</i>	75 N. M.
William Henry Parsons, Jr.	<i>Rye, N. Y.</i>	53 S. M.
Chauncey Howard Pember	<i>Rockville</i>	60 S. M.

Walter Gillespie Phelps	<i>Windsor</i>	43 S. M.
Richard Henry Pierce	<i>Hopkinton, Mass.</i>	60 S. M.
Henry Barstow Platt	<i>Owego, N. Y.</i>	61 S. M.
William Pollock	<i>Pittsfield, Mass.</i>	203 D.
Edward Pascal Pratt	<i>Buffalo, N. Y.</i>	54 S. M.
Julius Howard Pratt, Jr.	<i>Montclair, N. J.</i>	68 N. M.
James Quackenbush Rice	<i>New Haven</i>	179 George st.
Charles Edward Richards	<i>Keene, N. H.</i>	194 C.
George Parker Richardson	<i>Bath, Me.</i>	64 S. M.
Robert Mayo Rolfe	<i>Auburn, Me.</i>	35 Sylvan av.
John Rossiter	<i>North Guilford</i>	91 N. M.
Henry Byron Sanderson	<i>Milwaukee, Wisc.</i>	67 W.
Daniel Sammis Sanford	<i>Redding Ridge</i>	100 N.
Arthur Scranton	<i>Scranton, Pa.</i>	9 Library st.
Charles Locke Scudder	<i>Great Barrington, Mass.</i>	192 C.
William Seymour	<i>Newington</i>	116 N.
Caleb Wright Shipley	<i>Cincinnati, O.</i>	40 S. M.
Levi Ives Shoemaker	<i>Wilkes Barre, Pa.</i>	94 W.
Charles Mather Sholes	<i>Newport, N. H.</i>	489 Chapel st.
Edward Vernon Silver	<i>Brooklyn, N. Y.</i>	7 Library st.
Lewis Mann Silver	<i>Brooklyn, N. Y.</i>	7 Library st.
Clarence Austin Smith	<i>Birmingham</i>	192 C.
Edward Eugene Smith	<i>Hartford</i>	90 N. M.
Frank Hiram Snell	<i>Washington, D. C.</i>	48 S. M.
Henry Speke Snyder	<i>Philadelphia, Pa.</i>	305 Elm st.
Charles Stillman	<i>New York City</i>	87 W.
Charles Bigelow Storrs	<i>New York City</i>	62 S. M.
Howard Peck Sweetser	<i>New York City</i>	40 S. M.
Bernard Titcher	<i>Rayville, La.</i>	65 N. M.
Will Loujeay VanKirk	<i>Pittsburgh, Pa.</i>	37 S. M.
William Grandin Vought	<i>Buffalo, N. Y.</i>	37 S. M.
Tracy Waller	<i>New London</i>	191 C.
Daniel B. Weaver	<i>Lancaster, Pa.</i>	193 C.
Linard Campbell Webster	<i>Newark, O.</i>	99 N.
Edward Odell Weed	<i>New York City</i>	43 S. M.
Archibald Ashley Welch	<i>Hartford</i>	61 W.
Martin Welles	<i>Newington</i>	116 N.
John Lewis Wells	<i>Fayetteville, N. Y.</i>	101 W.
Thomas McDonnell Wentworth	<i>Racine, Wisc.</i>	91 N. M.
Joseph Ernest Whitney	<i>Cornwall</i>	56 S. M.
Emmet Smith Williams	<i>West Meriden</i>	61 W.
Harry Lucien Williams	<i>Northampton, Mass.</i>	64 S. M.
Franklin Eldred Worcester	<i>Albany, N. Y.</i>	38 S. M.
Arthur Bethuel Wright	<i>New Haven</i>	146 York st.

SOPHOMORES, 135

## FRESHMAN CLASS

Loring William Andrews	<i>New York City</i>	90 High st.
Selden Bacon	<i>Norwich</i>	A.
Louis Whittier Baldwin	<i>New Haven</i>	36 College st.
Royal Sherwood Banks	<i>Fairfield</i>	82 N. M.
Francis Gibbons Beach	<i>New Haven</i>	124 Temple st.
Robert Mills Beach	<i>Springfield, Mass.</i>	72 High st.
Charles Seidles Beck, Jr.	<i>Wilkes Barre, Pa.</i>	44 Elm st.
Edward A. Beddall	<i>Port Carbon, Pa.</i>	27 Prospect st.
Frank Herbert Beede	<i>Dover, N. H.</i>	150 Elm st.
Nelson William Bell	<i>New York City</i>	494 Chapel st.
Cyrus Strong Bestor	<i>Norwich</i>	638 Chapel st.
Lewis Olie Billings	<i>Chicago, Ill.</i>	489 Chapel st.
Richard Mervin Bissell	<i>Chicago, Ill.</i>	15 Court st.
Lucius Boltwood	<i>New Haven</i>	77 Wall st.
George Hill Bottome	<i>New York City</i>	525 Chapel st.
Edward Gaylord Bourne	<i>New Haven</i>	94 N. M.
Henry Eldridge Bourne	<i>New Haven</i>	94 N. M.
Arthur Eugene Bowers	<i>North Manchester</i>	120 Dwight st.
Austin Lord Bowman	<i>South Windsor</i>	187 Temple st.
George Ernest Bowman	<i>South Windsor</i>	187 Temple st.
Robert Craighead Browning	<i>Indianapolis, Ind.</i>	128 N.
David Hillhouse Buel	<i>New York City</i>	494 Chapel st.
Charles Hudson Burr	<i>Bloomington, Ill.</i>	494 Chapel st.
Everett Doughty Burr	<i>New York City</i>	68 N. M.
George Lorenzo Burton	<i>New Haven</i>	555 Howard av.
Frederic Sanford Calhoun	<i>New Haven</i>	46 Trumbull st.
Henry Warner Calhoun	<i>New York City</i>	147 York st.
William Patterson Cantwell, Jr.	<i>Malone, N. Y.</i>	187 George st.
Albert Carr	<i>Collinsville</i>	187 Temple st.
George Prentiss Carroll	<i>Westville</i>	4 Library st.
Henry Carver	<i>Doylestown, Pa.</i>	489 Chapel st.
Livingston Reade Catlin	<i>New York City</i>	175 Oak st.
Francis Davis Chamberlain	<i>West Chester, Pa.</i>	77 W.
Hong Yen Chang	<i>Han Shan, China.</i>	124 W.
Henry Morton Chase	<i>Syracuse, N. Y.</i>	86 Grove st.
Norton Chase	<i>Albany, N. Y.</i>	134 College st.
Samuel Beresford Childs	<i>East Hartford</i>	43 Dwight pl.
Mun Yew Chung	<i>Han Shan, China.</i>	74 High st.
Charles Cameron Clarke, Jr.	<i>Sing Sing, N. Y.</i>	472 Chapel st.
Gilbert Colgate	<i>Orange, N. J.</i>	101 N.
Charles Farnham Collins	<i>Newport, R. I.</i>	109 N.
Robert Harrison Cornish	<i>Gillette, N. J.</i>	80 N. M.
Arthur Bradford Cornwall	<i>New Haven</i>	43 Dwight pl.
Charles Rogers Corwith	<i>Chicago, Ill.</i>	86 Wall st.

George Cromwell	Brooklyn, N. Y.	109 York st.
Frank Cunningham	New York City	128 N.
Edward Cornelius Cuyler	Albany, N. Y.	134 College st.
Arnold Guyot Dana	New Haven	24 Hillhouse av.
James Martin Dawson	Wilmington, N. C.	126 York st.
Thomas Herbert DeForest	Birmingham	126 High st.
Laurent Clerc Deming	Hartford	110 N.
Joseph Richardson Dilworth	Pittsburgh, Pa.	45 S. M.
Maurice Edwards Dunham	Edgartown, Mass.	222 Crown st.
Everett James Esselstyn	Hollowville, N. Y.	170 George st.
Seward Henry Fields	Atlanta, Ill.	121 Dwight st.
Arthur Lyman Fisk	Northampton, Mass.	222 Crown st.
Henry Edward Fisk	Chicago, Ill.	215 Crown st.
Charles Northrup Flint	Port Henry, N. Y.	202 Orange st.
Henry Titus Folsom	Orange, N. Y.	458 Chapel st.
Charles Jenkins Foote	New Haven	86 York st.
Charles Seward Foote	Port Henry, N. Y.	494 Chapel st.
Henry Anthon Forchheimer	Mobile, Ala.	6 Orange st.
Robert Aldrich Fosdick	Stamford	126 High st.
William Fosdick	Stamford	464 Chapel st.
Elihu Brintnal Frost	Peekskill, N. Y.	126 York st.
Herbert Loring Frost	Cleveland, O.	201 Orange st.
John William Galbraith	Erie, Pa.	4 Library st.
William Gardner	Fayetteville, N. Y.	80 N. M.
Stephen Leonard Geisthardt	Preston	82 N. M.
Frank Forrest Giltner	Oakland, Cal.	97 N.
William Irwin Grubb	Cincinnati, O.	162 York st.
Charles Harris Hall	Binghamton, N. Y.	223 Elm st.
Charles Halsey	Brooklyn, N. Y.	109 York st.
Clifford Dudley Ham	Dubuque, Iowa	27 Prospect st.
Charles William Harkness	Cleveland, O.	62 W.
Benjamin Vincent Harrison	Montclair, N. Y.	41 High st.
Frederick William Havens	Bridgeport	77 N. M.
Samuel Newhall Hawkes	New Haven	65 Martin st.
Victor Emanuel Helleberg	Cincinnati, O.	16 Church st.
Edward Neblett Hidden	Madisonville, O.	79 York st.
Harry Roberts Hillard	Wilkes Barre, Pa.	127 N.
Lord Butler Hillard	Wilkes Barre, Pa.	523 Chapel st.
Tuthill Reynolds Hillard	Wilkes Barre, Pa.	127 N.
Horace George Hoadley	New Haven	133 Dwight st.
William James Holly	Philadelphia, Pa.	156 York st.
Wilber Eugene Houpt	Somerset, N. Y.	187 George st.
Charles Goodrich Hower	Cleveland, O.	54 S. M.
Henry Martyn Hoyt	Kingston, Pa.	27 Prospect st.
Louis Kossuth Hull	Lebanon	44 S. M.
Thomas D. Husted	Peekskill, N. Y.	494 Chapel st.
Leland Howard Ives	Meriden	64 High st.
George Conkling Jennings	Cleveland, O.	125 High st.

William Henry Jessup	<i>Montrose, Pa.</i>	494 Chapel st.
George Washington Johnston	<i>Frankfort, Ky.</i>	7 Library st.
Daniel Albion Jones	<i>Fair Haven</i>	Fair Haven
Francis Bartlett Kellogg	<i>Avon</i>	126 N.
Fred William Kellogg	<i>Red Wing, Minn.</i>	95 N. M.
Clifford Stephen Kelsey	<i>Bridgeport</i>	93 N. M.
Charles Martin Kendall	<i>Angelica, N. Y.</i>	77 York st.
Sheldon Quayle Kerruish	<i>Cleveland, O.</i>	143 York st.
Daniel Stimson Knowlton	<i>Biddeford, Me.</i>	156 York st.
Harry Woodville Latham	<i>New York City</i>	464 Chapel st.
Fred Churchill Leonard	<i>Spring Mills, N. Y.</i>	126 N.
Carll Andrews Lewis	<i>New Haven</i>	258 George st.
Joseph McKeen Lewis	<i>New York City</i>	125 High st.
Allen Cooke Loomis	<i>Windsor</i>	79 N. M.
Charles Loughridge	<i>Oskaloosa, Iowa</i>	112 N.
George Henry Anderson Lyford	<i>Cincinnati, O.</i>	28 College st.
George Stanley Lynde	<i>Bangor, Me.</i>	77 W.
Oliver McKee	<i>Brooklyn, N. Y.</i>	109 York st.
Edward Tompkins McLaughlin	<i>Litchfield</i>	125 N.
William Hutchinson Merrill	<i>Brooklyn, N. Y.</i>	174 Orange st.
John Craig Miller	<i>Newburgh, N. Y.</i>	74 W.
Samuel Martin Kier Mitchell	<i>Pittsburgh, Pa.</i>	126 High st.
Cleveland Langston Moffett	<i>Newton, N. J.</i>	161 Temple st.
Eliakim Hastings Moore, Jr.	<i>Cincinnati, O.</i>	79 York st.
John Atwood Moore	<i>St. Louis, Mo.</i>	26 Elm st.
Charles Edward Morehouse	<i>New Milford</i>	439 Chapel st.
Augustus Tracy Morgan	<i>Binghamton, N. Y.</i>	170 George st.
Marcus Morton, Jr.	<i>Andover, Mass.</i>	84 Wall st.
Oliver Throck Morton	<i>Indianapolis, Ind.</i>	43 College st.
Horace Isaac Moyer	<i>Pottsville, Pa.</i>	27 Prospect st.
Joseph Horton Nelson	<i>Aurora, Ill.</i>	41 High st.
Walter Eben Nettleton	<i>Stockbridge, Mass.</i>	110 N.
Isaac Burkett Newton	<i>Norwich, N. Y.</i>	135 Elm st.
Harry Herbert Palmer	<i>Sioux City, Iowa</i>	594 Chapel st.
Joseph Robinson Parrott	<i>Oxford, Me.</i>	156 York st.
Dudley Phelps	<i>New York City</i>	126 York st.
Francis Johnson Phelps	<i>Andover, Mass.</i>	86 Wall st.
John Jay Phelps	<i>New York City</i>	115 W.
John Pierpont	<i>New Haven</i>	42 Argyle st.
Samuel Ball Platner	<i>Newark, N. J.</i>	81 Wall st.
Austin Roe Preston	<i>Buffalo, N. Y.</i>	198 Crown st.
William Price	<i>Pottstown, Pa.</i>	55 W.
James Frank Raymond	<i>Brooklyn, N. Y.</i>	109 York st.
David Farnum Read	<i>Bridgeport</i>	93 N. M.
Edward Adams Richardson	<i>Groton, Mass.</i>	99 N.
Frederick William Rogers	<i>Lexington, Mass.</i>	86 Wall st.
Robert Cameron Rogers	<i>Buffalo, N. Y.</i>	198 Crown st.
Joseph James Rose	<i>Bridgeport</i>	77 N. M.

Amasa Wright Saltus	<i>Brooklyn, N. Y.</i>	432 Chapel st.
Edward Barreau Sargent	<i>Cincinnati, O.</i>	198 Crown st.
Linton Satterthwait	<i>Trenton, N. J.</i>	79 N. M.
Andrew Linn Sawyer	<i>New Haven</i>	150 College st.
Rollin Augustus Sawyer, Jr.	<i>New Haven</i>	150 College st.
Frederick David Shaffer	<i>Cincinnati, O.</i>	222 Crown st.
Stanley Shaffer	<i>Cincinnati, O.</i>	222 Crown st.
Charles Colebrook Sherman	<i>Syracuse, N. Y.</i>	86 Grove st.
Henry Warner Slocum, Jr.	<i>Brooklyn, N. Y.</i>	116 College st.
Forrest Gilman Small	<i>Wilton, Me.</i>	125 Dwight st.
Albert Edward Smith	<i>North Haven</i>	4 Library st.
Clarence Melbury Smith	<i>Angelica, N. Y.</i>	77 York st.
Edward Everett Smith	<i>Birmingham</i>	112 N.
Herbert Rodgers Smith	<i>Norwalk</i>	161 Temple st.
Warren Weston Smith	<i>New York City</i>	125 N.
Thomas Shepard Southworth	<i>West Springfield, Mass.</i>	139 High st.
Frank Penrose Sproul	<i>Pittsburgh, Pa.</i>	84 Wall st.
Frank Burton Stevens	<i>Dover, N. H.</i>	150 Elm st.
William Kerper Stevens	<i>Reading, Pa.</i>	130 York st.
William Hamilton Stockwell	<i>Orange, N. J.</i>	4 Library st.
Horatio Odell Stone	<i>Chicago, Ill.</i>	458 Chapel st.
Henry Hastings Strong	<i>Westfield, Mass.</i>	156 York st.
Albert Edmond Symington	<i>New York City</i>	9 Library st.
Horace Dutton Taft	<i>Cincinnati, O.</i>	35 College st.
Yew Fun Tan	<i>Kwong Tung, China</i>	196 Crown st.
Frank Corning Tanner	<i>Norwich Town</i>	95 N. M.
John Prentice Terry	<i>Brooklyn, N. Y.</i>	107 York st.
Sherman Day Thacher	<i>New Haven</i>	155 Crown st.
Henry Czar Merwin Thomson	<i>New Haven</i>	139 George st.
Frank Brodhead Tracy	<i>Brooklyn, N. Y.</i>	208 Elm st.
Joseph Parker Trowbridge	<i>New Haven</i>	41 College st.
William Trumbull	<i>Valparaiso, Chili</i>	153 Crown st.
Shou Kie Tsai	<i>Kwong Tung, China</i>	169 Temple st.
Denison Baldwin Tucker	<i>New Haven</i>	169 Orange st.
Harold Vernon	<i>Brooklyn, N. Y.</i>	147 York st.
Frederic Denison Ward	<i>New York City</i>	133 York st.
John Elton Wayland	<i>New York City</i>	Tontine Hotel.
William Warren Weeks	<i>Havre, France</i>	111 N.
John Charles Fremont Wheelock	<i>Mendon, Mass.</i>	125 Dwight st.
Clarence Wetherill Wilson	<i>Buffalo, N. Y.</i>	198 Crown st.
Kae Kah Wong	<i>Foo Chow, China</i>	169 Temple st.
John Butler Woodward	<i>Wilkesbarre, Pa.</i>	523 Chapel st.
Paul Wright	<i>New Haven</i>	146 York st.
Morrison Waite Young	<i>Toledo, O.</i>	155 Crown st.

# SHEFFIELD SCIENTIFIC SCHOOL

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ALBERT L. WEBSTER, Ph.B.

## GRADUATE STUDENTS

William Whittlesey Abbott, PH.B.	<i>New Haven</i>	257 Church st.
Otis Elihu Atwater, B.A.	<i>Brattleboro, Vt.</i>	34 S. M.
Leonard Strong Austin, PH.B.	<i>Stratford</i>	Stratford
John Pomeroy Bartlett, PH.B.	<i>New Britain</i>	16 S. H.
Russell Henry Chittenden, PH.B.	<i>New Haven</i>	95 Humphrey st.
William James Comstock, PH.B.	<i>Toledo, O.</i>	37 College st.
Henry Herbert Donaldson, B.A.	<i>Stockbridge, Mass.</i>	120 W.
Augustus James Emery, PH.B.	<i>Bangor, Me.</i>	544 Chapel st.
Henry Allen Hazen, M.A. } Dartmouth College }	<i>New Haven</i>	298 Chapel st.
Jefferson Engel Kershner, B.A. } Franklin and Marshall College }	<i>Leesport, Pa.</i>	26 Trumbull st.
Joseph Frederick Klein, D.E.	<i>New Haven</i>	86 Nichols st.
Benjamin Franklin Koons, B.A. } Oberlin College }	<i>Sulphur Springs, O.</i>	36 Court st.
Charles Newton Little, B.A. } Nebraska University }	<i>Lewis, Iowa</i>	135 Elm st.
Samuel Lewis Penfield, PH.B.	<i>Catskill, N. Y.</i>	14 S. H.
Richard Rathbun } Cornell University }	<i>Buffalo, N. Y.</i>	N. S. H.
Frederick Sumner Smith, B.A.	<i>New Haven</i>	78 Trumbull st.
Heman Bangs Smith, M.D.	<i>New Haven</i>	102 Howe st.
Ebin Jennings Ward, PH.B.	<i>Marseilles, Ill.</i>	251 Church st.
Albert Lowry Webster, PH.B.	<i>Staten Island, N. Y.</i>	14 S. H.
Horace Lemuel Wells, PH.B.	<i>New Britain</i>	47 N. S. H.
Samuel Wendell Williston, M.A. } Kansas State Agric. College }	<i>Manhattan, Kan.</i>	162 Olive st.
George Leverett Wilson, PH.B.	<i>West Killingly</i>	47 N. S. H.

## GRADUATE STUDENTS, 22

NOTE—These names have been already given in the list of Graduate Students on page 22.



## SENIOR CLASS

Daniel Sidney Appleton, Jr.	<i>New York City</i>	43 College st.
Charles Rufus Ayres	<i>Woodmont</i>	6½ York sq.
Charles Backus Ball	<i>New Haven</i>	32 Mansfield st.
Rogers Clark Ballard	<i>Louisville, Ky.</i>	464 College st.
Harry Banning Bradford	<i>Wilmington, Del.</i>	36 Elm st.
Harry Osborn Carrington	<i>New Haven</i>	527 Chapel st.
Joseph Arthur Chanute	<i>New York City</i>	66 w.
George Huntington Clark	<i>Norwich</i>	19 Trumbull st.
Arthur Baylies Coffin	<i>Edgartown, Mass.</i>	128 High st.
Edward Allen Colby	<i>St. Johnsbury, Vt.</i>	7 Library st.
Frank McAlpine Collin	<i>Penn Yan, N. Y.</i>	27 Prospect st.
Charles Mabie Crouse	<i>Syracuse, N. Y.</i>	36 Elm st.
Charles Thompson Dodd	<i>West Meriden</i>	6½ York sq.
Arthur Dodge	<i>Stamford</i>	525 Chapel st.
Thomas Edward Doolittle	<i>Onarga, Ill.</i>	36 Elm st.
Jacob Edward Emery	<i>Fair Haven</i>	17 Crown st.
William Henry Fox	<i>Washington, D. C.</i>	A.
George Edward Goodspeed	<i>East Haddam</i>	189 George st.
John Warren Hardenbergh	<i>Jersey City, N. J.</i>	36 Elm st.
Louis Maynard Higginson	<i>Newburgh, N. Y.</i>	43 College st.
Walter Hitchcock	<i>Cheshire</i>	19 Trumbull st.
Theodore Lanahan Hooper	<i>Baltimore, Md.</i>	169 Temple st.
Colin Macrae Ingersoll	<i>New Haven</i>	85 Trumbull st.
Martin Edward Jensen	<i>Cleveland, O.</i>	6½ York sq.
David Brown Lewis	<i>Utica, N. Y.</i>	38 Elm st.
Ernest Theophilus Liefeld	<i>New Haven</i>	36 Orchard st.
Willey Solon McCrea	<i>Chicago, Ill.</i>	36 Elm st.
John Moorhead	<i>Pittsburgh, Pa.</i>	165 Temple st.
Carl Eugene Munger	<i>Watertown</i>	27 Prospect st.
Edward Butler Needham	<i>Hartford</i>	36 Elm st.
Frederic Adriance Osborn	<i>New Haven</i>	150 York st.
George Benjamin Phelps, Jr.	<i>Watertown, N. Y.</i>	36 Elm st.
Dwight Porter	<i>Hartford</i>	14 Lock st.
Edward Freeman Porter	<i>Stowe, Vt.</i>	23 Prospect st.
Edward Vilette Reynolds	<i>Chicago, Ill.</i>	A.
Edwin McNeil Rogers	<i>Central City, Col.</i>	66 w.
George Bliss Rogers	<i>Lexington, Mass.</i>	36 Elm st.
Edward Rupert Sargent	<i>New Haven</i>	51 Elm st.
William Bartlett Schofield	<i>West Point, N. Y.</i>	201 Orange st.
Henry Starkweather	<i>New Haven</i>	State Hospital.
Adrian Rowe Wadsworth	<i>Farmington</i>	128 High st.
William Candee Warren	<i>Buffalo, N. Y.</i>	84 Wall st.
Adolph Frederic Wehner	<i>New Haven</i>	544 Chapel st.
George Goodwin Williams	<i>Glastonbury</i>	128 High st.

## JUNIOR CLASS

Charles Francis Adams	<i>Yessups, Md.</i>	120 High st.
Ethan Allen Andrews	<i>Tarrytown, N. Y.</i>	175 Temple st.
George Jackson Angell	<i>Brooklyn, N. Y.</i>	167 Temple st.
Edward Bailey	<i>Harrisburgh, Pa.</i>	489 Chapel st.
Frank Lewis Bigelow	<i>New Haven</i>	278 Orange st.
George Frederick Bosworth	<i>Milford</i>	94 Olive st.
Lester Paige Breckenridge	<i>Westfield, Mass.</i>	114 High st.
Charles Sheldon Burnham	<i>Woodbridge</i>	
Charles Monroe Carpenter, Jr.	<i>Brooklyn, N. Y.</i>	258 Orange st.
Frederick Casper	<i>West Meriden</i>	196 Crown st.
Charles Chamberlain	<i>Brooklyn, N. Y.</i>	55 Trumbull st.
Howard Field Chappell	<i>Chicago, Ill.</i>	36 Elm st.
George Strong Daniels	<i>New York City</i>	92 w.
Harry Sprague Davidson	<i>San Francisco, Cal.</i>	432 Chapel st.
Charles Manville Downs	<i>New Haven</i>	70 Wooster st.
Oliver Winchester Dye	<i>New Haven</i>	194 Prospect st.
John Slade Ely	<i>New York City</i>	71 w.
George Sherman Folsom	<i>Northford</i>	161 George st.
Seymour Francis Frasick	<i>Hartford</i>	99 Wall st.
Albert Moses Gerstle	<i>Youngstown, O.</i>	6 Orange st.
Henry Holbrook Gladding	<i>New Haven</i>	170 Martin st.
William Loomis Griswold	<i>Banksville</i>	127 Whalley av.
Frederic Jonathan Hiller	<i>Cohoes, N. Y.</i>	71 w.
Samuel Higgins	<i>Buffalo, N. Y.</i>	48 College st.
Frank Allison Hubbard	<i>Sandusky, O.</i>	59 w.
Blain Jamison	<i>New Orleans, La.</i>	55 Trumbull st.
Jeme Tien Yow	<i>Canton, China</i>	169 Temple st.
Edmund Parker Lord	<i>Saxonville, Mass.</i>	86 w.
Richard Becker Lyon	<i>New Haven</i>	710 Chapel st.
Silas Metzger	<i>New Haven</i>	17 Grove st.
Edwin Kirtland Morse	<i>Poland, O.</i>	49 Grove st.
Marcus Dady Munn	<i>Southington</i>	127 Whalley av.
Marvin Olcott	<i>Corning, N. Y.</i>	86 w.
Owyang Keng	<i>Canton, China</i>	169 Temple st.
Francis Stuyvesant Peabody	<i>Chicago, Ill.</i>	36 Elm st.
Oliver Phelps	<i>Canandaigua, N. Y.</i>	59 w.
Harry Smith Pope	<i>Jersey City, N. J.</i>	57 w.
Addison Alexander Righter	<i>Newark, N. J.</i>	73 w.
John Hutchinson Robinson	<i>Lake Village, Ark.</i>	6½ York sq.
George Lewis Sargent	<i>New Haven</i>	51 Elm st.
Joseph Denny Sargent	<i>New Haven</i>	51 Elm st.
Louis Jacob Schiller	<i>New Haven</i>	8 Martin st.
Bernard Joseph Shanley	<i>New Haven</i>	211 Franklin st.
Frank Augustus Smith	<i>New Haven</i>	36 Lyon st.
Henry Taber	<i>New York City</i>	33 Prospect st.

John Heyward Trumbull	<i>Talcahuano, Chili</i>	41 Trumbull st.
Richard Lindsay Trumbull	<i>Talcahuano, Chili</i>	41 Trumbull st.
John Henry Ullrich	<i>Decatur, Ill.</i>	6½ York sq.
Howard VanRensselaer	<i>Albany, N. Y.</i>	23 Prospect st.
Frank Charles Warner	<i>West Suffield</i>	305 Orange st.
Robert William Watson	<i>Ashtabula, O.</i>	65 w.
Harry Yale Witbeck	<i>Chicago, Ill.</i>	6½ York sq.
William Meeker Wood	<i>Morristown, N. J.</i>	191 Temple st.
Arthur Burnham Woodford	<i>West Winsted</i>	116 College st.
Charles Worthington Wright	<i>West Roxbury, Mass.</i>	82 Wall st.
Willis Benton Wright	<i>Cromwell</i>	88 Grove st.
		JUNIORS, 56

## FRESHMAN CLASS

Horace Ellsworth Andrews	<i>Cleveland, O.</i>	162 York st.
Alfred Warren Armstrong	<i>Cleveland, O.</i>	162 York st.
Charles Noyes Batcheller	<i>Wallingford, Vt.</i>	60 w.
Henry Jonathan Biddle	<i>Philadelphia, Pa.</i>	4 Library st.
Francis Hayes Blake	<i>New Haven</i>	Mill Rock
Nathan Gross Bozeman	<i>New York City</i>	489 Chapel st.
Harry Weir Casey	<i>Washington, D. C.</i>	82 Wall st.
William Anson Chamberlin	<i>New Haven</i>	30 Trumbull st.
Kee Yung Chun	<i>Canton, China</i>	169 Temple st.
Tsung Ching Chung	<i>Canton, China</i>	59 Wall st.
William Henry Crocker	<i>San Francisco, Cal.</i>	489 Chapel st.
Walter Root Downs	<i>New Haven</i>	64 La Fayette st.
James John Drummond	<i>Winfield, Ill.</i>	25 Prospect st.
Robert Ogden DuBois	<i>New Haven</i>	328 Howard av.
George Mortimer Dunham	<i>Unionville</i>	60 w.
Richard Lawrence Everit	<i>New Haven</i>	281 Whitney av.
Herbert Waldron Faulkner	<i>Stamford</i>	115 Green st.
Alexander Bryan Johnson	<i>Utica, N. Y.</i>	64 w.
Herbert Deatherage Lacey	<i>Brooklyn, N. Y.</i>	90 Grove st.
Frederick William La Forge	<i>Waterbury</i>	547 Chapel st.
Frank Judson Lambert	<i>New Haven</i>	12 Eld st.
Norman Smith Latham	<i>Manchester</i>	120 Dwight st.
Nathaniel White Lynde	<i>West Brookfield, Mass.</i>	120 High st.
William Danforth MacQuesten	<i>Washington, D. C.</i>	86 Wall st.
Walter Edward Malley	<i>New Haven</i>	714 Chapel st.
Sheldon Elton Minor	<i>Thomaston</i>	547 Chapel st.

Nagamoto Okabe	<i>Tokio, Japan</i>	6 Trumbull st.
Edward Paramore	<i>St. Louis, Mo.</i>	26 Elm st.
Frank Spooner Parrott	<i>Bridgeport</i>	110 W.
Lewis Valentine Pirsson	<i>New York City</i>	121 Park st.
James Edward Pope, Jr.	<i>Jersey City, N. J.</i>	57 W.
Edward Rahm	<i>Pittsburgh, Pa.</i>	56 W.
Robert Browning Rood	<i>Great Barrington, Mass.</i>	8 Lock st.
Alfred Hughes Rowe	<i>Fair Haven</i>	Fair Haven
William Bradbury Spring	<i>Portland, Me.</i>	86 Wall st.
Charles Edward Stockder, Jr.	<i>West Meriden</i>	6½ York sq.
Fred Moore Strong	<i>Topeka, Kansas</i>	38 Elm st.
Arthur Graham Thompson	<i>Milford</i>	6½ York sq.
Edwin Thorne	<i>Garrisons, N. Y.</i>	65 Whitney av.
Thomas Pearsall Thorne	<i>Millbrook, N. Y.</i>	65 Whitney av.
Walter Joy Vought	<i>Buffalo, N. Y.</i>	110 W.
Edward Loder Whittemore	<i>Rye, N. Y.</i>	143 York st.
Alfred Buckingham Willcox	<i>Chicago, Ill.</i>	106 W.
Chauncey Pratt Williams, Jr.	<i>Albany, N. Y.</i>	134 College st.
S. Lawrence Williams	<i>Chicago, Ill.</i>	86 Wall st.
Chan Lok Wing	<i>China</i>	59 Wall st.

FRESHMEN, 46

## SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE

Louis Norton Bail	<i>New Haven</i>	43 Park st.
Louis Asta Buruaga	<i>Santiago, Chili</i>	109 Elm st.
Frederick Burr Clemmons	<i>New Haven</i>	162 Putnam st.
Edwin James Leonard	<i>Davenport, Iowa</i>	22 Trumbull st.
Warren A. Spalding	<i>New Haven</i>	89 Church st.
Henry Roemer Stadtmueller	<i>New Haven</i>	43 Whitney av.
Louis Weld Stadtmueller	<i>New Haven</i>	43 Whitney av.

SPECIAL STUDENTS, 7

# SCHOOL OF THE FINE ARTS

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## FACULTY

REV. NOAH PORTER, D.D., LL.D., PRESIDENT

JOHN F. WEIR, N.A., M.A., DIRECTOR

JAMES M. HOPPIN, D.D.

JOHN H. NIEMEYER, M.A.

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FREDERIC R. HONEY, *Instructor in Perspective*

JOHN P. C. FOSTER, M.D., *Instructor in Anatomy*

HARRISON W. LINDSLEY, C.E., *Instructor in Architecture*

CHARLES R. LOOMIS, *Assistant in Drawing*

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## STUDENTS

Cornelia F. Allen	<i>New Haven</i>
George J. Angell	<i>Brooklyn, N. Y.</i>
Emma H. Bacon	<i>Meriden</i>
Emma C. Banks	<i>New Haven</i>
Emily S. Brandegee	<i>Berlin</i>
John J. Brennan	<i>New Haven</i>
Fannie C. Burr	<i>Monroe</i>
Julia I. Coe	<i>New Haven</i>
Lily Curtis	<i>Stratford</i>
Maria B. Curtis	<i>Stratford</i>
Adeleine Louise Downer	<i>New Haven</i>
Caroline May Dunbar	<i>Stratford</i>
Sarah W. Foote	<i>New Haven</i>
Caroline Glover	<i>Newtown</i>
Frances L. Goodrich	<i>New Haven</i>
Eliza J. Harrison	<i>New Haven</i>
Mary E. Hart	<i>New Haven</i>
Gerard Hegeman	<i>New York City</i>
Emma Elizabeth Hill	<i>New Haven</i>
Annie S. Johnson	<i>New Haven</i>
Fannie May Kendrick	<i>Wallingford</i>
Frederic T. Langzettel	<i>New Haven</i>
Helen E. Leonard	<i>Saugatuck</i>

Caroline Lindsley	<i>New Haven</i>
Henry E. Manning	<i>New Haven</i>
Helen Oakford	<i>New Haven</i>
Anita Phinney	<i>New Haven</i>
Louise Powe	<i>Ansonia</i>
Frederic Remington	<i>Ogdensburgh, N. Y.</i>
Jule A. Rida	<i>New Haven</i>
Mary A. Sandford	<i>New Haven</i>
Henry O. Schmidt	<i>New Britain</i>
Howard A. Sibley	<i>Middletown</i>
Eleanor Silliman	<i>New Haven</i>
Rosalie Tomlinson	<i>Birmingham</i>
Lucy P. Trowbridge	<i>New Haven</i>
Howard Van Rensselaer	<i>Albany, N. Y.</i>
Georgene Louise Watkinson	<i>New Haven</i>
Jessia A. Wier	<i>New Haven</i>

STUDENTS IN REGULAR ATTENDANCE,	39
SPECIAL STUDENTS,	47

The Freshman Class of the Sheffield Scientific School, and others not in regular attendance, are included in the summary of special students.

## SUMMARY OF STUDENTS

DEPARTMENT OF THEOLOGY	-	-	-	-	88
DEPARTMENT OF MEDICINE	-	-	-	-	32
DEPARTMENT OF LAW	-	-	-	-	74
DEPARTMENT OF PHILOSOPHY AND THE ARTS:					
GRADUATE INSTRUCTION	-	-	-		39
UNDERGRADUATE ACADEMICAL DEPARTMENT					581
SHEFFIELD SCIENTIFIC SCHOOL	-	-			175
SCHOOL OF THE FINE ARTS	-	-			39
					<hr/> 834
					<hr/> 1028
Deduct for names inserted twice	-				25
Total	-	-	-	-	<hr/> 1003

## GENERAL STATEMENT

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The departments of Instruction in YALE COLLEGE are comprehended under four divisions, as follows:—

The Faculty of THEOLOGY;  
of MEDICINE;  
of LAW;  
of PHILOSOPHY AND THE ARTS.

Under the last named Faculty are included, the COURSES FOR GRADUATE INSTRUCTION, the UNDERGRADUATE ACADEMICAL DEPARTMENT, the UNDERGRADUATE SECTION OF THE SHEFFIELD SCIENTIFIC SCHOOL, and the SCHOOL OF THE FINE ARTS,—each having a distinct organization.

In the particular statements which follow, the Department of Philosophy and the Arts is first given, with its subdivisions in the order named; and afterwards the three Professional Departments.

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The legal designation of the Corporation is "THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN."

# DEPARTMENT OF PHILOSOPHY AND THE ARTS



## GRADUATE INSTRUCTION

Graduates of this and other Colleges, and other persons of liberal education (not less than eighteen years old), are received as students for longer or shorter periods, with or without reference to the attainment of a degree.

An Executive Committee has a general oversight of the students in this department. The Committee this year is composed of Professors WHITNEY, NEWTON, BRUSH, and WHEELER. They receive the names of applicants for instruction, and judge and approve the courses of study proposed; and information may be obtained from them as to conditions, terms, etc. Students may also make special arrangements with any instructor according to their mutual convenience.

Instruction is given partly by lectures, partly by recitations and by oral and written discussions, partly by directing courses of reading, and partly by work in the laboratories and with instruments.

The terms and vacations correspond with those in the Undergraduate Departments. (See Calendar, p. 4.)

The fee for instruction is generally one hundred dollars, or more or less, according to the course pursued and the amount of instruction received.

THE DEGREE OF DOCTOR OF PHILOSOPHY is conferred upon those who, after having taken a Bachelor's degree (implying a course of undergraduate study equivalent to that pursued in the Academical Department), and having studied in this department for not less than two years, shall have passed a satisfactory final examination and presented a thesis giving evidence of high attainment in the branches of knowledge pursued. It is not given, upon examination, to those whose studies are pursued elsewhere. The requirements for it will



in some cases exact of the student more than two years of labor; especially when the course of undergraduate study has been less than four years. A good knowledge of Latin, German, and French, will be required in all cases, unless, for some exceptional reason, the candidate be excused by the Faculty. The graduating fee is ten dollars.

The courses of instruction given in the department may be grouped as follows:

*1. Intellectual Philosophy; Ethics*

President PORTER: Psychology; Philosophy; History of Philosophy; Ethics.

*2. Political Science and History*

Professor WHEELER: History of Europe, 1815-70.  
Professor BREWER: Relations of Physical Geography to Political History.  
Professor WALKER: Public Finance; Statistics of Industry.  
Professor SUMNER: Politics and Finance in the History of the United States; Sociology; Political Economy.  
Professor ROBINSON: History of Real Property; Canon Law; Parliamentary Law.  
Professor DEXTER: American History.  
Professor BALDWIN: Conflict of Laws; Comparative Jurisprudence.  
Professor PLATT: General Jurisprudence.  
Professor WOOLSEY: International Law.  
Mr. A. S. WHEELER: the Institutes of Gaius and Justinian; select titles of the *Corpus Juris*; German text-books of Roman Law.

*3. Philological Science; Literature*

Professor THACHER and Professor H. P. WRIGHT: selected Latin authors; History of Roman Literature; Latin Composition.  
Dr. J. H. TRUMBULL: the American Indian Languages, especially the dialects of the Algonkin family.  
Professor WHITNEY: the general principles of Linguistic Science; the Comparative Philology of the Indo-European Languages; the Sanskrit Language.  
Professor PACKARD and Professor F. D. ALLEN: critical reading of Greek authors; History of Greek Literature; Greek Historical Grammar and Dialectology, with study of inscriptions; Greek Mythology.  
Professor WILLIAMS: the Chinese Language and Literature.  
Mr. VAN NAME: the elements of the Japanese Language.  
Professor LOUNSBURY and Professor BRERS: the Anglo-Saxon Language; the early forms and literature of English.

Professor CARTER: the older Germanic Languages and Literature, including Gothic.

Professor KNAPP: Spanish; Italian; Old French and Provençal; the Russian Language.

Professor DAY: the Hebrew and other Semitic Languages.

#### 4. *Mathematics*

Professor NEWTON: Calculus; Analytical Mechanics; Lunar and Planetary Theories; Higher Geometry.

Professor CLARK: Definite Integrals; Differential Equations; Analytical Mechanics; the Theory of Numerical Approximations; the Method of Least Squares.

Professor GIBBS: the Laws of Vibratory and Undulatory Motion, with especial reference to Light and Sound; the Potential Function, with its application to the theories of Electricity and Magnetism; Capillarity.

#### 5. *Physics; Chemistry; Astronomy*

Professor LOOMIS: Meteorology, with especial reference to the making and reducing of observations.

Professor NORTON: Spherical Astronomy.

Professor LYMAN: the use of Meridional and other Astronomical Instruments.

Professor JOHNSON: Theoretical and Analytical Chemistry.

Professor A. W. WRIGHT: Physical Manipulation in the departments of Heat, Light, and Electricity, with practical directions as to the management of apparatus.

Professor O. D. ALLEN: Analytical Chemistry.

Professor DuBois: Thermodynamics.

#### 6. *Geology; Natural History*

Professor J. D. DANA: Geology.

Professor BRUSH: the Analysis and Determination of Mineral species; Descriptive Mineralogy.

Professor EATON: Structural and Systematic Botany, including the North American Flora and the description of genera and species.

Professor MARSH: Palæontology; Comparative Osteology.

Professor VERRILL and Professor S. I. SMITH: Zoology.

Professor E. S. DANA: Optical Mineralogy; Crystallography.

#### 7. *Applied Science*

Professor NORTON: Applied Mechanics.

Professor LYMAN: Astronomical Spectroscopy.

Professor JOHNSON: Agricultural Chemistry.

Professor BREWER: Agriculture; Forest Culture.

Professor O. D. ALLEN: Metallurgy; Assaying.

Professor DuBois: Dynamical Engineering.

### 8. *Fine Arts*

For the instruction open to Graduates in the School of the Fine Arts, see page 72.

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THE DEGREE OF MASTER OF ARTS is conferred on Bachelors of Arts of two years' standing or upwards, who have given to the Academical Faculty evidence of having made satisfactory progress in liberal studies after receiving their first degree.

Such evidence may be furnished by one year's systematic study (not professional) in New Haven, under the direction of the Academical Faculty, followed by an examination.

Such Bachelors of Arts of this College as may not choose to reside at the college for the prosecution of study, may show, at any time not less than three years after graduation, by their printed essays, or by submitting to special examinations, that they have spent a year in liberal (and non-professional) study, and are worthy of recommendation for this degree.

A committee of the Faculty is appointed (consisting, for the present year, of Professors NEWTON and WHEELER), to whom candidates for this degree must submit their proposed courses of study by the first of November in each year; and the evidence of a year's study must be submitted to the same committee by the first of the following June.

In the case of resident students, the charge for instruction will usually be one hundred dollars, with a fee of ten dollars for the degree. In the case of non-residents, the fee for examinations and the degree will usually be twenty-five dollars.

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THE DEGREES OF CIVIL AND DYNAMIC ENGINEER are conferred on Bachelors of Philosophy who have taken the first degree in Engineering study, and who pursue a higher course for at least two years, sustaining a final examination, and giving evidence of their ability to design important constructions, and make the requisite drawings and calculations. The fee for graduation is five dollars.

## UNDERGRADUATE ACADEMICAL DEPARTMENT

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ALL CANDIDATES FOR ADMISSION to the Freshman Class are examined in the following books and subjects:

Latin Grammar.

Sallust—Jugurthine war; or four books of Cæsar.

Cicero—seven Orations.

Vergil—Bucolics, Georgics, and first six books of the *Æneid*, including Prosody.

Arnold's Latin Prose Composition, to the Passive voice (first twelve chapters). It is suggested to teachers, in addition to the use of the work named, to connect simple exercises in making Latin, either oral or written, with all the Latin studies of their pupils throughout the preparatory course.

After 1880 there will be also an examination in Roman History; Leighton's History of Rome is suggested, as indicating the amount required.

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Greek Grammar—with translation of English into Greek.

Xenophon—Anabasis, four books.

Homer—Iliad, three books, with Prosody.

Greek History.

The rules for pronunciation given in Hadley's Grammar are recommended as a guide. For Greek History, Dr. William Smith's or Fyffe's text-book, and for Greek Composition, Jones's Exercises or White's Lessons, are suggested.

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Higher Arithmetic—including the metric system of weights and measures.

Algebra—so much as is included in Loomis's Treatise, up to the chapter on Logarithms.

Euclid—first two books. [The *first five* books of Davies's Legendre's Elements of Geometry, or of Loomis's Elements of Geometry, or the first two books of Chauvenet's Geometry, may be offered instead of Euclid.] In Geometry, the candidate must be prepared to draw the figures for the demonstration of propositions.

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English Grammar and Geography; a thorough knowledge of which is required.

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THE REGULAR EXAMINATION FOR ADMISSION to College is held at Graduates' Hall, New Haven, on the Friday and Saturday following Commencement (July 2, 3, 1880); *attendance is*

*required at the beginning of the examination, at 9 A. M., on Friday.* The examination is wholly in writing; copies of papers recently given will be sent by the Secretary on application.

In 1880 examinations for admission to the Freshman Class (but not to higher classes) will also be held in Chicago and in Cincinnati (beginning on Friday, July 2, at 9 A. M.) at a place to be announced in the local newspapers of the day previous. Candidates who propose to be present are requested to send their names to the Secretary before June 15. A fee of five dollars will be charged for admission to these examinations.

A second examination (for those who cannot attend the first) is held in New Haven at the beginning of the College year, on Tuesday and Wednesday (Sept. 14, 15, 1880); candidates for this examination must be present at Graduates' Hall at 9 A. M. on Tuesday.

Persons applying to be examined at other times must first obtain special permission from the Faculty, and pay to the Treasurer a fee of ten dollars. In general, no examinations for admission to the next Freshman Class can be held before Commencement, or during vacation.

**ADVANCED STANDING**—All candidates for advanced standing, *whether from other Colleges or not*, are examined, in addition to the preparatory studies, in those studies already pursued (see next page) by the class which they wish to enter. In the several languages, for the particular books studied by the Class, equivalent amounts from other books may be offered.

Bachelors of Arts or of Philosophy of any institution may join the Senior Class (without examination and without becoming candidates for the Bachelor's degree), as candidates for the degree of Doctor of Philosophy after three years' study. (See p. 47.)

No one can be admitted to the Senior Class after the beginning of the second term.

**AGE**—No one can be admitted to the Freshman Class till he has completed his fifteenth year, nor to an advanced standing without a corresponding increase of age.

**TESTIMONIALS**—Satisfactory testimonials of good moral character (preferably from the last principal instructor) are in all cases required, before a certificate of admission is granted; and students from other Colleges must present certificates of dismission in good standing.

**BOND**—Every person must give to the Treasurer, on being admitted, a bond, executed by his parent or guardian, for five hundred dollars, as security for the payment of charges arising under the laws of the college. A blank form for this purpose will be furnished at the time of admission.

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### COURSE OF INSTRUCTION

**THE COURSE OF INSTRUCTION** occupies four years. In each year there are two terms.

The following is a scheme of the studies, or, more correctly, of equivalents which will be accepted from candidates for advanced standing:—

#### FRESHMAN YEAR :

**FIRST TERM**—*Greek*—Homer's *Odyssey*, begun. *Latin*—Livy, begun; Cicero's Second Philippic; Arnold's Latin Composition (to page 150). *Mathematics*—Loomis's Algebra; Todhunter's Euclid, first four books; Chauvenet's Geometry. *Hygiene*—Lectures.

**SECOND TERM**—*Greek*—Homer's *Odyssey*, continued through five books; Herodotus, continued through half of the first book; Boise's Exercises in Greek Syntax (to page 85). *Latin*—Livy, continued through one book; Cicero *de senectute*; Ovid, Ramsay's Selections; Roman Antiquities. *Mathematics*—Chauvenet's Geometry; Richards's Plane Trigonometry, first six chapters. *Rhetoric*—Recitations and Lectures. Compositions.

#### SOPHOMORE YEAR :

**FIRST TERM**—*Greek*—Six Orations of Demosthenes. *Latin*—Odes of Horace; Agricola and Germania of Tacitus. *Mathematics*—Richards's Plane and Spherical Trigonometry. *Rhetoric*—Lectures on Composition. Compositions.

**SECOND TERM**—*Greek*—Prometheus of Æschylus; Xenophon's Memorabilia, one book; Antigone of Sophocles; Plato's Apology of Socrates and Crito. *Latin*—Satires and Epistles of Horace; Satires of Juvenal; Cicero *de officiis*. *Mathematics*—Richards's Spherical Trigonometry; Loomis's Analytical Geometry; Mensuration, Navigation, and Surveying; Mechanics. *Rhetoric*—Lectures on Elocution, with practice. Declamations. Compositions.

#### JUNIOR YEAR :

**FIRST TERM**—*Physics*—Ganot's Physics. *German*—Whitney's Grammar and Reader; German Composition. *English*—Chaucer, Milton; Forensic Disputations. *Chemistry*—Barker's Chemistry; Lectures.

For optional studies (*Latin, Greek, Mathematics, French, Spanish, Italian, English*) see below.

SECOND TERM—*Natural Philosophy*—Ganot's Physics. Lectures. *Rhetoric*—Forensic Disputations. *German*—Whitney's Grammar and Reader; German Composition. *Astronomy*—Loomis's Astronomy. *Logic*—Jevons's Logic.

For optional studies (*Latin, Greek, Mathematics, French, Spanish, Italian, English, Anglo-Saxon, Zoology, Botany, Fine Arts*) see below.

#### SENIOR YEAR:

FIRST TERM—*Mental Philosophy*—Porter's Human Intellect. Lectures. *Geology*—Dana's Geology. *Political Science*—Fawcett's Political Economy. Lectures. *Rhetoric*—Compositions.

For optional studies (*Latin, Greek, French, German, Spanish, Italian, Sanskrit, Mathematics, Astronomy, Mineralogy, European History, Fine Arts*) see below.

SECOND TERM—*Natural Theology and Evidences of Christianity*—Lectures. *Moral Philosophy*—Recitations. Lectures. *History of Philosophy*—Schwegler's History. *History*—Hallam's Constitutional History. Lectures. *Evolution and Cosmogony*—Lectures. *Rhetoric*—Compositions. *Political and Social Science*—Recitations. Lectures. *International Law*—Woolsey's International Law. *Elements of Jurisprudence and American Constitutional Law*—Lectures.

For optional studies (*Philosophy, Latin, Greek, French, German, Spanish, Italian, Sanskrit, Linguistics, Mathematics, Physics, Meteorology, Geology, Palæontology, American History, Political Science, Fine Arts*) see below.

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OPTIONAL STUDIES—Every student is required to have four exercises a week in an optional study, during Junior and Senior years. Change from one optional to another is allowed at the end of Junior year, and also to a new optional whenever one is begun. In cases where an optional is withdrawn before the end of the year, any of the other optionals may be chosen in its place, provided the instructor is upon examination satisfied of the student's fitness to enter the class. Any student who can on examination show thorough acquaintance, in advance, with one or more of the required studies of Junior or Senior year, may choose instead a second optional. The following courses of optional studies are provided.

#### I. PHILOLOGY

I. ANCIENT LANGUAGES: (a) GREEK, through Junior and Senior years, four exercises a week, with Professor Packard. (b) LATIN, through Junior and

Senior years, with Professor Thacher, four exercises a week. (c) LATIN and GREEK, two exercises a week in each, through Junior and Senior years, with Professors Thacher and Packard. (d) SANSKRIT, through Senior year, with Professor Whitney, two double exercises a week.

2. MODERN LANGUAGES AND LITERATURE: (a) FRENCH, through Junior and Senior years, four exercises a week, with Professor Knapp; in Junior year, French Composition, authors of the XIXth century; in Senior year, French Composition, authors of the XVIIth and XVIIIth centuries, the French language being the only medium of instruction. A thorough knowledge of the elements of the French Language is required of students who choose French as an optional study in Junior year. The examination may be passed at the time of the Sophomore annual examination, or at the beginning of Junior year, and will be upon Keetels's Elementary French Grammar, or an equivalent. (b) SPANISH, through Junior and Senior years, four exercises a week, with Professor Knapp; Grammar and Exercises, readings in Cervantes, Lope de Vega, and Calderon, and cotemporary literature. (c) ITALIAN, through Junior and Senior years, with Mr. Speranza, four exercises a week; a special fee, \$30 a year, will be charged. (d) GERMAN, through Senior year, four exercises a week, with Professor Carter; Schiller's *Die Piccolomini*, Goethe's *Iphigenie*, selections from Goethe's *Prose*, Lessing's *Nathan der Weise*, German Composition. (e) ANGLO-SAXON, through the second term of Junior year, with Professor Beers, four exercises a week; Sweet's *Anglo-Saxon Reader*. (f) ENGLISH LITERATURE, through Junior year, with Professors Northrop and Beers, four exercises a week; Shakspeare, Spenser, and other authors; History of the Language and Literature.

3. LINGUISTICS: Through the first half of the second term of Senior year, two exercises a week, with Professor Whitney.

## II. INTELLECTUAL PHILOSOPHY

With President Porter, through the second term of Senior year, two exercises a week.

## III. HISTORY AND POLITICAL SCIENCE

1. EUROPEAN HISTORY, through the first term of Senior Year, with Professor Wheeler, four exercises a week; Hallam's *Middle Ages*.

2. AMERICAN HISTORY, through the second term of Senior year, with Professor Dexter, two exercises a week; Eliot's *History of the United States*; Frothingham's *Rise of the Republic*.

3. POLITICAL ECONOMY, through the second term of Senior year, with Professor Sumner, two exercises a week.

## IV. MATHEMATICS AND ASTRONOMY

1. MATHEMATICS, through Junior and Senior years, four exercises a week, with Professor Newton; Loomis's *Calculus*, followed by *Analytical Mechanics* or *Higher Geometry*.

2. ASTRONOMY, through the first term of Senior year, four exercises a week, with Professor Loomis; Loomis's *Astronomy*.



## V. MOLECULAR AND TERRESTRIAL PHYSICS

1. PHYSICS, through the second term of Senior year, two exercises a week, with Professor A. W. Wright.
2. METEOROLOGY, through the second term of Senior year, with Professor Loomis, four exercises a week ; Loomis's Meteorology.

## VI. NATURAL SCIENCE AND GEOLOGY

1. ZOOLOGY, through the second half of the second term of Junior year, four exercises a week, with Dr. J. K. Thacher.
2. MINERALOGY AND MATHEMATICAL CRYSTALLOGRAPHY, through the first term of Senior year, with Professor E. S. Dana, four exercises a week ; Dana's Text-Book.
3. GEOLOGY, through the first half of the second term of Senior year, with Professor J. D. Dana, four exercises a week ; Dana's Manual.
4. BOTANY, through the second half of the second term of Junior year, with Professor Eaton, four exercises a week.

## VII. FINE ARTS

Four exercises a week, through the second term of Junior year, and through Senior year, in the School of the Fine Arts ; the usual fees (\$18 for three months) are payable.

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EXERCISES IN DECLAMATION AND COMPOSITION—The Senior Class have exercises in English composition, and the Junior Class in forensic disputation, through the year. The Sophomore Class during the whole year, and the Freshman Class during the latter half of the second term, have exercises in English composition.

The Sophomore Class have regular exercises in elocution ; and once a week, during a part of the year, have an exercise in declamation before the Professor of Rhetoric and the members of the Class.

PUBLIC EXAMINATIONS are held at the close of the first and at the middle of the second term, on the studies of the term and half-term ; and, at the close of the year, on all the studies of the year. The annual examinations are conducted wholly in writing, and continue for about two weeks.

VOCAL MUSIC—Gratuitous instruction in Vocal Music is given during a part of the year (the exercises being open to members of all the Departments of the College) subject, however, to a small charge for fire and lights.

## TERMS AND VACATIONS

THE PUBLIC COMMENCEMENT is held on the Thursday after the last Wednesday in June. The first term begins eleven weeks from Commencement-day and continues fourteen weeks ; the second term begins on the second Thursday in January and

continues until Commencement-day, with a spring recess—usually of eight days—including Easter. (See Calendar, p. 4.) The exercises of each term begin with prayers in the Chapel on Thursday morning.

**LEAVE OF ABSENCE**—No student is allowed to be absent without special leave, except in the vacations

### PUBLIC WORSHIP

**PRAYERS** are attended in the Battell Chapel every morning, with reading of the Scriptures and singing, and all the students are required to be present.

**PUBLIC WORSHIP** is held in the Chapel on Sundays, at which all the students are required to attend, except such as have special permission to attend the worship of other denominations, to which their parents belong. Such permission can be obtained only on presenting to the President a written request therefor from the parent or guardian.

### GYMNASIUM

**THE GYMNASIUM** is designed to provide all the students with opportunities for exercise. Those who use the bath-rooms pay a small fee for tickets.

### EXPENSES

**THE TREASURER'S BILLS** are made out three times a year, viz., at the close of the first term, at the middle and at the close of the second term, at which times they are payable. The bills must be paid within two weeks after the beginning of the succeeding term or half-term, or the student is liable to be prohibited from reciting. Drafts on Boston, New York, and Philadelphia will be received at par.

The annual charge for tuition and incidentals is \$140.

For the rent and care of a half-room in the College buildings, the average charge is thirty-five dollars per year.

**OTHER CHARGES**—There are additional charges at graduation, amounting to eighteen dollars. If a student occupies a room alone, the charge for rent and care is ordinarily double that stated above.

**ABSENCE ON LEAVE**—A student who is absent from College on account of sickness, or for any other cause, and still retains his place in his class, pays full tuition during such absence.

BOARD is obtained at prices varying from three dollars and a half to six dollars a week. The average price is about four dollars and a half.

ROOMS—There are in the College buildings above two hundred rooms occupied by students, at prices varying (according to location) from \$25 to \$140 per year, not including vacations. Students living out of College are not allowed to room in any building in which a family does not reside, except by special permission of the Faculty.

FURNITURE, BOOKS, ETC.—Students provide for themselves furniture, fuel, lights, and text-books; if books and furniture are sold when the student has no further necessity for them, the expenses incurred by their use will not be great.

NECESSARY EXPENSES—The following may be considered a near estimate of the *necessary* annual expenses, for a student occupying a half-room in College, without including apparel, traveling, and board in vacations:—

Treasurer's bill (according to location of room), from	\$160	to	\$220
Board, 37 weeks, - - - - -	"	130	to 220
Fuel, lights, and washing, - - - - -	"	30	to 60
Use of text-books and furniture, - - - - -	"	30	to 60
Total, - - - - -	\$350		\$560

COLLEGE GUARDIAN—As a precaution against extravagance, parents at a distance sometimes deposit funds with one of the Faculty; who, in that case, attends to the pecuniary concerns of the student, settles his bills, corresponds with the parent, and transmits an account of expenditures, for which services he charges a commission.

#### BENEFICIARY AID

The sum of \$12,000 and upwards, derived partly from permanent charitable funds, is annually applied by the Corporation for the relief of students who need pecuniary aid, especially of those preparing for the Christian ministry. About one hundred thus have their tuition either wholly or in part remitted. Students needing such aid should apply to the President before November 1st in each College year. Assistance will be withdrawn from students who incur serious College censure, or who fail to maintain a reputable scholarship.

THE HARMER FOUNDATION OF SCHOLARSHIPS comprises six scholarships, each yielding one hundred dollars a year, to be given to deserving students of small means.

There are also eighteen other Scholarships, most of them yielding sixty dollars a year, which may be given to such students as shall be selected by the founders or the Faculty.

Students who need to avail themselves of the use of the Benevolent Library are supplied gratuitously with many of the text-books used in the College course.

#### FELLOWSHIPS AND SCHOLARSHIPS

THE DOUGLAS FELLOWSHIP, with an income of about six hundred dollars a year, was founded in 1873 by Mrs. Samuel Miller, of New Haven, and named in memory of her brothers, Rev. Sutherland Douglas (Y. C. 1822) and George H. Douglas (Y. C. 1828). The incumbent, who must be a recent graduate of the Academical Department, pursuing non-professional studies in New Haven, is elected annually, but may not hold the fellowship for more than three years.

THE SOLDIERS' MEMORIAL FELLOWSHIP, with an annual income of six hundred dollars, was founded in 1875 by Mrs. Theodosia D. Wheeler, of New Haven, in honor of the alumni who fell in battle as Union soldiers, in the war of 1861-1865, and in especial remembrance of William Wheeler, of the class of 1855. The incumbent must be at the time of his election a graduate of the Academical Department, of not more than three years' standing. He shall reside in New Haven, pursuing non-professional studies, and may hold the Fellowship for a period not exceeding five years.

THE BERKELEY SCHOLARSHIP, yielding about forty-six dollars a year, is awarded to the student in each Senior class who passes the best examination in the Greek Testament (Pauline Epistles), the first book of Thucydides, the first six books of Homer's Iliad, Cicero's Tusculan Questions, Tacitus (except the Annals), and Horace; provided he remain in New Haven as a graduate, one, two, or three years.

THE CLARK SCHOLARSHIP, yielding one hundred and twenty dollars a year, is awarded in each Senior Class to the applicant who has passed the best annual examinations in the studies of the course; provided he remain in New Haven one or two

years immediately after graduation, pursuing a course of study (not professional) under the direction of the Faculty.

THE LARNED SCHOLARSHIP, yielding three hundred dollars a year, and tenable for three years, is awarded in each Senior Class. The incumbent must reside in New Haven, pursuing a course of advanced study subject to the direction of the Faculty.

THE BRISTED SCHOLARSHIP, yielding about one hundred and fourteen dollars a year, is awarded, whenever there is a vacancy, to the student in the Sophomore or Junior Class who passes the best examination in the classics and mathematics. The successful candidate receives the annuity (forfeiting one-third in case of non-residence) until the end of the third year after graduation.

THE WOOLSEY SCHOLARSHIP, yielding sixty dollars a year, is awarded to the student in each Freshman Class, who passes the best examination in Latin composition (excellence in which is essential to success), in the Greek of the year, and in the solution of algebraic problems. The successful candidate receives the annuity, under certain conditions, during the four years of his College course. The student who stands second at this examination receives for one year the income of the HURLBUT SCHOLARSHIP; and the student who stands third, the income for one year of the THIRD FRESHMAN SCHOLARSHIP. The income of each of these Scholarships is sixty dollars.

THE W. W. DEFOREST SCHOLARSHIP, yielding one hundred and twenty dollars, is awarded to a student in each Senior class who has attained distinction in the study of French while in College, provided he remain in New Haven the year after graduation, pursuing a further course of study in the Romance languages under the direction of the Faculty.

#### PREMIUMS

THE DEFOREST PRIZE MEDAL, of the value of \$100, is awarded "to that scholar of the Senior Class who shall write and pronounce an English Oration in the best manner."

THE TOWNSEND PREMIUMS, five in number, of twelve dollars each, are awarded in the Senior Class for the best specimens of English Composition.

THE SENIOR MATHEMATICAL PRIZES (the first consisting of a gold medal of the value of ten dollars and of ten dollars in

money, the second of ten dollars in money) are offered to the Senior Class for the best solutions of problems in both abstract and concrete mathematics.

COLLEGE PREMIUMS are offered to the Senior Class for the solution of problems in Practical Astronomy.

THE WINTHROP PRIZES (one of two hundred dollars and one of one hundred dollars) are offered to the Junior Class "for the most thorough acquaintance with the Greek and Latin poets," as shown at an examination during the latter half of the second term.

COLLEGE PREMIUMS are given in the Sophomore Class for English composition, and for declamation, and in the Sophomore and Freshman Classes for the solution of mathematical problems.

THE SCOTT PRIZE for excellence in German is offered to the Senior Class, and the SCOTT PRIZE for excellence in French to the Junior Class; these prizes are of the value of thirty dollars each, and are given in books.

BERKELEY PREMIUMS for Latin Compositions are offered to the Freshman Class near the end of the year.

THE JOHN A. PORTER PRIZE, of two hundred and fifty dollars, is offered at each Commencement for the best English Essay. Any person who has been studying for a degree in any department of the University during the entire College year may compete for this prize.

### DEGREES

The degree of BACHELORS OF ARTS is conferred by the Corporation on those persons who have completed the course of academical exercises, as appointed by law, and have been approved on examination at the end of the course as candidates for the same. Candidates are required to pay their dues to the Treasurer as early as the Monday before Commencement. For the degrees of Master of Arts and Doctor of Philosophy, see pages 47, 50.

## SHEFFIELD SCIENTIFIC SCHOOL

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THE SHEFFIELD SCIENTIFIC SCHOOL is devoted to instruction and researches in the mathematical, physical, and natural sciences, with reference to the promotion and diffusion of science, and also to the preparation of young men for such pursuits as require special proficiency in these departments of learning.

The School, begun in 1847, and reorganized upon a more extensive scale in 1860, received in 1863, by the act of the Connecticut Legislature, the national grant for the promotion of scientific education under the Congressional enactment of July, 1862. It thus became in consequence the "College of Agriculture and the Mechanic Arts" of Connecticut.

OFFICERS AND INSTRUCTORS—Upon the Governing Board, consisting of the professors permanently attached to the School, devolves its internal management and the greater part of the instruction. In addition to these, and the instructors employed during the current year (mentioned on p. 38), instruction is given in Elementary and Free-hand Drawing by Professor Niemeyer, of the School of the Fine Arts.

The Board of State Visitors consists of the Governor, Lieutenant Governor, three Senior Senators, and the Secretary of the Board of Education.

The Board of Councilors, invited by the Corporation to advise and assist in the progress of the School, are as follows: Hon. J. E. ENGLISH, of New Haven; Hon. M. JEWELL, of Hartford; Hon. J. R. HAWLEY, of Hartford; Hon. O. F. WINCHESTER, of New Haven; JOSEPH E. SHEFFIELD, Esq., of New Haven; Professor J. D. DANA, of New Haven; HENRY FARNAM, Esq., of New Haven; M. DWIGHT COLLIER, Esq., of St. Louis; Hon. WILLIAM E. DODGE, of New York City.

The instruction is intended for two classes of students:—

I.—Graduates of this or other Colleges, and other persons qualified for advanced or special study.

II.—Undergraduates who desire a training, chiefly mathematical and scientific, in part linguistic and literary, for higher scientific studies, or for other occupations to which such training is suited.

## INSTRUCTION FOR GRADUATE AND SPECIAL STUDENTS

Persons who have gone through undergraduate courses of study, here or elsewhere, may avail themselves of the facilities of the School for more special professional training in the physical sciences and their applications, gaining in one, two or three years the degree of BACHELOR OF PHILOSOPHY, or, in two additional years of Engineering study, that of CIVIL ENGINEER or DYNAMIC ENGINEER.

Or, engaging in studies of a less exclusively practical character, they may become candidates for the degree of DOCTOR OF PHILOSOPHY, under the conditions already stated (see p. 47). The instruction in such cases will be adapted to the particular needs and capacities of each student, and may be combined with that given by the instructors in other departments. The list of graduate studies pursued, either wholly in the Scientific School, or conjointly with other departments, will be found on pp. 48-50.

**SPECIAL STUDENTS**—For the benefit of those who, being fully qualified, desire to pursue particular studies without reference to obtaining a degree, special or irregular students are received in most of the departments of the School; not, however, in the Select Course, nor in the Freshman Class.

It should be distinctly understood that these opportunities are not offered to persons who are incompetent to go on with regular courses, but are designed to aid those who have received a sufficient preliminary education elsewhere to increase their proficiency in special branches.

## INSTRUCTION FOR UNDERGRADUATE STUDENTS

**TERMS OF ADMISSION**—Candidates must be not less than fifteen years of age, and must bring satisfactory testimonials of moral character from their former instructors or other responsible persons.

For admission to the Freshman Class the student must pass a thorough examination in the following subjects:

*English*—including grammar, spelling, and composition. In grammar, Whitney's Essentials of English Grammar, or an equivalent.

*History of the United States.*

*Geography.*



*Latin*—six books of Cæsar's Commentaries, or their equivalent, and simple exercises in prose composition.

*Arithmetic*—including the metric system of weights and measures.

*Algebra*—so much as is contained in Loomis's Treatise, up to the general theory of equations.

*Geometry*—Plane, solid, and spherical; including fundamental notions of symmetry, and examples of loci and of maxima and minima of plane figures:—an equivalent to the nine books of Chauvenet's Treatise, or to the ten books of Loomis's Elements and the Appendix, up to the section on Transversals.

*Trigonometry*—including the analytical theory of the trigonometrical functions, and the usual formulæ; the construction and use of trigonometrical tables; and the solution of plane triangles;—so much, for example, as is contained in Wheeler's Plane Trigonometry (Boston, 1877), or Richards's Plane Trigonometry (New York, 1878).

While no entrance examination is held in the *History of England*, candidates for admission are urgently advised to make themselves as familiar as possible with that subject; as a knowledge of it is essential to the most successful prosecution of some of the studies of the course.

Candidates will be allowed the option of passing on the above-named subjects in two successive years. In such a case they must present themselves for examination at the June examination of the first year in the following subjects or parts of subjects: *History of the United States, Geography, Arithmetic, Plane Geometry, and Algebra to Quadratic Equations.*

In order to have this preliminary examination counted, candidates must pass satisfactorily on *all* the subjects; and notice must be given of the intention to divide the examination to Professor G. J. Brush, Executive Officer of the School, on or before June 15.

In his preparation in GEOMETRY the candidate should, as far as practicable, have suitable exercises in proving simple theorems and solving simple problems for himself. It is important, too, that he should be accustomed to the numerical application of geometric principles, and especially to the prompt recollection and use of the elementary formulæ of mensuration. In TRIGONOMETRY he should be exercised in applying the usual formulæ to a variety of simple reductions and transformations, including the solution of trigonometrical equations. Readiness and accuracy in trigonometrical calculations are also of prime importance to the candidate. If the use of logarithms is postponed in his preparation till Trigonometry is taken up (which is by no means necessary or advisable), he should then have abundant applications of them to all forms of calculation occurring in ordinary practice, as well as to those appearing in the solution of triangles. Finally, in all of his calculations, he should study the art of neat, orderly, and readily intelligible arrangement.

IN LATIN, in order to secure the attainment of the required proficiency, the student should have such continued training in parsing as shall make him thoroughly familiar with declensions and conjugations, and accurate and ready in the application of the rules of syntax. As an additional guarantee of the proper mastery of these grammatical elements, the requirement has been adopted of "simple exercises in prose composition." By this is meant merely, such a course of elementary exercises in translation, orally and in writing, from English into Latin as, in connection with the systematic parsing just mentioned, shall necessitate a familiarity with grammatical forms and the leading principles of syntax, and thus render the reading of the six books of Cæsar (or their equivalent) more thorough and fruitful. Since this course of elementary exercises in translation is designed as a preparation for reading, and not as a sequel to it, it should be invariably begun at the earliest stage of the study of Latin. To avoid any misapprehension of the nature of the extent of the requirement, the following works are specifically named, among which the candidate for examination may make his own selection. These are Harkness's "Introduction to Latin Composition," 112 pages; Leighton's "Latin Lessons," 91 pages; Smith's "Principia Latina," Part I.; McClintock's "First Latin Book," 83 lessons (193 pp.). Any equivalent of these may be offered from the many useful books of a similar character. A knowledge of Prosody is not required.

The examinations for admission take place at North Sheffield Hall, on Friday and Saturday, July 2, 3, and on Tuesday and Wednesday, September 14, 15, 1880. Opportunities for private examinations may, in exceptional cases, be given at other times.

In 1880 examinations (for the Freshman Class only) will also be held in Chicago and in Cincinnati (beginning on Friday, July 2, at 9 A. M.), at a place to be announced in the local newspapers of the day previous. Candidates who propose to be present are requested to send their names to Professor G. J. Brush, Executive Officer of the School, before June 15. A fee of five dollars will be charged for admission to these examinations.

Candidates for advanced standing in the undergraduate classes are examined, in addition to the preparatory studies, in those already pursued by the class they wish to enter. No one can be admitted as a candidate for a degree, later than at the beginning of the Senior year.

THE COURSES OF INSTRUCTION, occupying three years, are arranged to suit the requirements of various classes of students. The first year's work is the same for all; for the last two years the instruction is chiefly arranged in special courses.

The special courses most distinctly marked out are the following:—

- (a.) In Chemistry ;
- (b.) In Civil Engineering ;
- (c.) In Dynamical (or Mechanical) Engineering ;
- (d.) In Agriculture ;
- (e.) In Natural History ;
- (f.) In Biology preparatory to Medical Studies ;
- (g.) In studies preparatory to Mining and Metallurgy ;
- (h.) In Select studies preparatory to other higher studies.

The arrangement of the studies is indicated in the annexed scheme.

#### FRESHMAN YEAR—INTRODUCTORY TO ALL THE COURSES

FIRST TERM—*German*—Whitney's Grammar and Reader. *English*—Lounsbury's History of the English Language ; Exercises in Composition. *Mathematics*—Analytical Geometry. *Physics*—Atkinson's Ganot, with experimental lectures. *Chemistry*—Recitations and Laboratory practice. *Elementary Drawing*—Practical Lessons in the Art School.

SECOND TERM—*Language, Physics, and Chemistry*—as stated above. *Mathematics*—Spherical Trigonometry (Wheeler's) ; Elements of Mechanics. *Physical Geography*—Lectures. *Botany*—Gray's Lessons, with Lectures. *Political Economy*—Elementary Lectures. *Drawing*—Elementary Projection Drawing ; Isometric Drawing ; Descriptive Geometry begun.

For the Junior and Senior years the students select for themselves one of the following courses:—

#### (a.) IN CHEMISTRY

##### JUNIOR YEAR :

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's. *Laboratory Practice*. *Blowpipe Analysis*. *German*. *French*.

SECOND TERM—*Laboratory Practice*—Quantitative Analysis. *Mineralogy*—Blowpipe Analysis and Determination of Species. Lectures. *French*. *German*.

##### SENIOR YEAR :

FIRST TERM—*Organic Chemistry*—Lectures and Recitations. *Agricultural Chemistry*—Recitations (optional). *Laboratory Practice*—Volumetric and Organic Analysis. *Geology*—Dana's. *Zoology*—Lectures and Excursions. *French*.

SECOND TERM—*Laboratory Practice*—Mineral Analysis and Assaying. *Geology*—Dana's Manual. *Metallurgy* (optional). *Mineralogy* (optional). *French*.

## (b.) IN CIVIL ENGINEERING

## JUNIOR YEAR :

FIRST TERM—*Mathematics*—Elements of the Theory of Functions; Numerical Equations; Differential Calculus. *Surveying*—Field Operations. *Drawing*—Descriptive Geometry, continued, including Warped Surfaces. *German. French.*

SECOND TERM—*Mathematics*—Integral Calculus. Rational Mechanics. *Drawing*—Shadows, Perspective, and Gearing. Topographical. *Surveying*—Topographical. *German. French.*

## SENIOR YEAR :

FIRST TERM—*Field Engineering*—Laying out Curves. Location of line of Railroad, with calculations of Excavation and Embankment. Hencks's Field Book for Railroad Engineers. *Civil Engineering*—Resistance of Materials. Bridges and Roofs, begun. Stone Cutting, with graphical problems. *Geology*—Dana's. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *French.*

SECOND TERM—*Civil Engineering*—Bridges and Roofs. Building Materials. Stability of Arches and Walls. Mahan's Civil Engineering. *Dynamics*—Principles of Mechanism. Steam Engine. *Hydraulics*—Hydraulics and Hydraulic Motors. *Drawing*—Graphical Statics. *Astronomy*—Loomis's Astronomy, with practical problems. *Mineralogy*—continued. *Geology*—Dynamic. *French.*

## (c.) IN DYNAMIC ENGINEERING

## JUNIOR YEAR :

FIRST TERM—*Mathematics*—Elements of the Theory of Functions; Numerical Equations; Differential Calculus. *Surveying*—Field Practice. *Drawing*—Descriptive Geometry, continued, including Warped Surfaces. *German. French.*

SECOND TERM—*Mathematics*—Integral Calculus. Rational Mechanics. *Kinematics*—General Theory of Motion and Principles of Mechanism; Elementary Combinations of pure Mechanism; Pulleys and Belts; Gearing and forms of teeth for wheels; Parallel Motions. *German. French.*

## SENIOR YEAR :

FIRST TERM—*Statics*—Application of the Principles of Statics to Rigid Bodies; Elasticity and Strength of Materials; Forms of Uniform Strength; Stability of Structures; Construction of Roof Trusses, Girders, and Iron Bridges. *Machine Drawing*—Bolts and Nuts; Riveting; Journals, Axles, Shafts, Couplings, Pillow Blocks; Shaft-hangers, Pulleys; Connecting Rods and Cranks; Cross-heads; Pipe Connections; Valves; Steam Cylinders, Stuffing Boxes, Glands, etc. Shop Visits. Blowpipe Analysis. *French.*

SECOND TERM—*Hydrostatics and Hydrodynamics*—Equilibrium and Pressure of fluids ; Hydrometers, Manometers, Gauges, etc. ; Water Pressure Engines and Water Wheels ; Construction of Water Reservoirs and Conduits ; Measurement of Water Supply ; Discharge of Pipes. *Thermodynamics*—General principles of Heat employed as a source of Power ; Theory of the Steam Engine ; Hot Air Engines ; Gas Engines. *Machine Designing*—Proportioning of Machine Parts, continued. Designing of Hoisting Engines ; Shearing and Pumping Engines ; Complete working drawings for a high speed Steam Engine. Shop Visits and Reports. *Metallurgy*.

#### (d.) IN AGRICULTURE

##### JUNIOR YEAR :

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's. *Laboratory Practice. Blowpipe Analysis. German. French.*

SECOND TERM—*Organic Chemistry*—Lectures and Recitations. *Laboratory Practice*—Quantitative Analysis. *Mineralogy*—Blowpipe Analysis and Determination of Species. *Physical Geography*—Lectures. *Physiology*—Huxley's. *Botany*—Lectures. *French. German.*

##### SENIOR YEAR :

FIRST TERM—*Agriculture*—Cultivation of the Staple Crops of the Northern States. Tree Planting and Forestry. *Agricultural Chemistry*—Johnson's. *Geology*—Dana's. *Zoology. English. French.*

SECOND TERM—*Agriculture*—Laws of Heredity and Principles of Breeding. Lectures. *Geology*—Dana's. *Rural Economy*—History of Agriculture and Sketches of Husbandry in Foreign Countries. Systems of Husbandry. *Agricultural Chemistry*—Johnson's. *Geology*—Dana's. *Zoology. Botany. Microscopy. English. French.*

#### (e.) IN NATURAL HISTORY

(Either Geology, Mineralogy, Zoology, or Botany, may be made the principal study, some attention in each case being directed to the other three branches of Natural History.)

##### JUNIOR YEAR :

FIRST TERM—*Chemistry*—Qualitative Analysis. *Laboratory Practice. Recitations. Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Botany*—Gray's Manual ; *Laboratory Practice. German. French.*

SECOND TERM—*Zoology*—Laboratory Practice. Recitations. Excursions (land and marine). *Botany*—Laboratory Practice. Excursions. *Physiology*—Huxley's. *Mineralogy*—continued. *Physical Geography. German. French.*

## SENIOR YEAR :

FIRST TERM—*Geology*—Dana's. Excursions. *Zoology*—Laboratory Practice. Lectures. Recitations. Excursions. *Botany*—Herbarium Studies. Gray's Text-book. Excursions. *French*.

SECOND TERM—*Geology*—Dana's. *Anatomy of Vertebrates*—Huxley's. *Zoology*—Laboratory Practice. Recitations. Lectures. *Botany*—Herbarium Studies, especially in the Cryptogamous Orders. Botanical Literature. Essays in Descriptive Botany. *Meteorology*. *French*.

Besides the regular courses of recitations and lectures on structural and systematic Zoology and Botany, and on special subjects, students are taught to prepare, arrange, and identify collections, to make dissections, to pursue original investigations, and to describe genera and species in the language of science. For these purposes, large collections in Zoology and Palæontology belonging to the College are available, as are also the private botanical collections of Professor Eaton.

## (f.) IN BIOLOGY—PREPARATORY TO MEDICAL STUDIES

## JUNIOR YEAR :

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's. Laboratory Practice. Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *German*. *French*.

SECOND TERM—*Physiology*—Huxley's, with Practical Exercises. *Toxicology*—Fresenius's. Laboratory Practice. Recitations and Lectures. *Physiological Chemistry*—Sanderson's Handbook. Recitations and Laboratory Work. *Mineralogy*—continued. *Botany*—Lectures, Practical Exercises in Phenogamous Plants, and Excursions. *German*. *French*.

## SENIOR YEAR :

FIRST TERM—*Physiological Chemistry*—continued. *Organic Chemistry*—Lectures and Recitations. *Zoology*—Lectures. *Botany*—Practical Exercises. Lectures and Excursions. *Geology*—Dana's Manual. *French*.

SECOND TERM—*Comparative Anatomy and Histology*—Laboratory Practice and Recitations. *Geology*—Dana's Manual. *Zoology*—Lectures. *Laws of Heredity and Breeding*—Lectures. *French*.

## (g.) IN STUDIES PREPARATORY TO MINING AND METALLURGY

Young men desiring to become Mining Engineers, can pursue the regular course in Civil or Mechanical Engineering, and at its close can spend a fourth year in the study of metallurgical chemistry, mineralogy, etc.

(h.) IN THE SELECT STUDIES PREPARATORY TO OTHER  
HIGHER STUDIES

JUNIOR YEAR :

FIRST TERM—*Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Astronomy*. *English*—Early English. *History*—Freeman's Outlines. *French*. *German*.

SECOND TERM—*Mineralogy*—Lectures. *Physical Geography*—Guyot. Lectures. *Botany*—Lectures; Excursions; Laboratory Practice. *English*—Chaucer, Bacon, Shakspere. *History*—Freeman's Outlines, with Lectures. *Political Economy*—Rogers's Manual. *German*. *French*.

SENIOR YEAR :

FIRST TERM—*Geology*—Recitations and Excursions. *Zoology*—Lectures and Excursions. *Linguistics*—Whitney's Life and Growth of Language. *English*—Shakspere. *History*—Constitutional History of the United States. Lectures. *Political Economy*—Lectures. *French*.

SECOND TERM—*Geology*—continued. *Meteorology*—Lectures. *Political Economy*—Lectures. *English*—Shakspere, Milton, Dryden, Pope, and later authors. *History*—Political History of U. S. History of Europe from 1848. Lectures. *French*.

Exercises in English Composition are required during the entire course from all the students. The preparation of graduating theses is among the duties of the Senior Year.

Lectures on Military Science and Tactics are annually given by General Abbott, and other officers of the Engineer Corps of the United States Army.

THE TERMS AND VACATIONS correspond with those of the Academical Department. (See Calendar, p. 4.)

EXPENSES—The charge for tuition for undergraduate students is \$150 per year, payable, \$55 at the beginning of the first and second term, and \$40 at the middle of the second term. The special student of Chemistry has an additional charge of \$70 per annum for chemicals and use of apparatus. He also supplies himself with gas, flasks, crucibles, etc., the cost of which should not exceed \$10 per term. A fee of \$5 is charged members of the Freshman Class for chemicals and materials used in their laboratory practice, and the same fee

is required from all (except Chemical students) who take practical exercises in Blowpipe Analysis and Determinative Mineralogy. A fee of \$5 a term is also charged to students in the Zoological Laboratory, for materials and use of instruments. An additional charge of \$5 is annually made to each student for the use of the College Reading Room and Gymnasium.

For graduate students the charge for tuition will be \$100 per year.

THE FEES for graduation as BACHELOR OF PHILOSOPHY, are \$10; unless the person taking the degree is also a graduate of the Academical department, when the fee is but \$5.

#### DEGREES .

THE DEGREE OF BACHELOR OF PHILOSOPHY is conferred on those who have completed one of the three-year courses, and have passed the examination at its close.

CIVIL AND DYNAMIC ENGINEER—See page 50.

DOCTOR OF PHILOSOPHY—See page 47.



## SCHOOL OF THE FINE ARTS

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THE COUNCIL of this Department consists of the following *ex-officio* members :—the President of the College, the President of the National Academy of Design, the President of the New York Museum of Art, and the Director of the School, who is also the Secretary; together with four members by election, Mr. HENRY FARNAM, Mr. DONALD G. MITCHELL, Mr. EDWARD E. SALISBURY, and Mr. JOHN D. WHEELER.

THE FACULTY, on whom devolves the internal management of the School, consists of the President of the College, and the Professors whose names and departments of instruction are as follows :—JOHN F. WEIR, Professor of Painting, and Director of the School; JAMES M. HOPPIN, Professor of the History of Art; JOHN H. NIEMEYER, Professor of Drawing. Other instructors are, FREDERICK R. HONEY, in Geometry and Perspective; JOHN P. C. FOSTER, M.D., in Anatomy; HARRISON W. LINDSLEY, in Architecture; CHARLES R. LOOMIS, Assistant in Drawing.

The School has for its end the cultivation and promotion of the Arts of Design, viz.: PAINTING, SCULPTURE, and ARCHITECTURE, both in their artistic and æsthetic aims, through practice and criticism. The aim is—

1st. To provide thorough technical instruction in the Arts of Painting, Sculpture, and Architecture.

2d. To furnish an acquaintance with all branches of learning relating to the History, Theory, and Practice of Art.

The courses of instruction provided under these heads—of Practice and Criticism—may be regarded as distinct, or correlative, embracing that practical and theoretical knowledge of art which is no less desirable for the critic than for the artist.

THE COURSE OF INSTRUCTION, covering three years, is arranged as follows :

## I. DEPARTMENT OF DRAWING AND PAINTING

*First Year :*

DRAWING—from the flat : from the antique : from the living model.

PERSPECTIVE—projection drawing : linear perspective.

ANATOMY—the skeleton : articulations : muscular system.

LECTURES—the elements of form : principles and means of art.

*Second Year :*

DRAWING—technical practice : studies from the living model.

PERSPECTIVE—shadows and reflections : applications and examples.

ANATOMY—the anatomy of external forms : proportions : equipoise and motion.

PAINTING—technical discipline : studies from casts and still-life.

LECTURES—on color, chiaroscuro, and composition.

*Third Year :*

PAINTING—technical practice : studies from the living model.

COMPOSITION—studies in color and chiaroscuro : design.

LECTURES—on the history, theory, and practice of art.

In the departments of Drawing and Painting the practice of the studio is based upon the study of the human form.

The practice in drawing is supplemented by lectures on Form and Proportion, and that in painting by lectures on Color, Chiaroscuro, and Composition.

Drawing is continued, without interruption, through the first half of the course, or until the student evinces that proficiency which will warrant advancement. Painting is continued through the remainder of the course. Students will be encouraged to remain in the School and pursue advanced studies after the three years' course is completed.

In PERSPECTIVE, instruction is given in the form of lectures ; students will be required to work out the examples, or problems, and submit them for examination at the next meeting of the class. The subject has two divisions : the first is devoted to projection drawing and linear perspective ; the second to shadows and reflections, with applications and problems. At the close of the course an examination is held, and the standing of the student determined.

In ANATOMY, instruction is likewise given in the form of lectures. This subject has also two divisions : the first is devoted to the bones and articulations of the skeleton, and

the muscular system; the second to the anatomy of external forms, proportions, equipoise, and motion. Students are required to draw, in detail, the parts under discussion by the lecturer, and submit the same, for examination, at the next meeting of the class. At the close of the course the relative standing of the pupils is determined by examination.

**SPECIAL STUDENTS**—Pupils wishing to enter the School for a short term (of not less than three months), and desiring special instruction, may enter the following classes:—Elementary; Antique; Portrait (crayon, oil, or water-colors); Sketching and Etching; Composition (embracing still-life and costume); Life (drawing or painting); Anatomy; and Perspective.

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## II. DEPARTMENT OF SCULPTURE

### *First Division :*

**MODELING**—from casts of heads, and fragments of antique statues.

**ANATOMY**—skeleton : articulations : muscular system.

**LECTURES**—on form : principles of proportion.

### *Second Division :*

**MODELING**—from the living model.

**ANATOMY**—external forms : equipoise and motion.

**LECTURES**—history of Greek Sculpture.

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## III. DEPARTMENT OF ARCHITECTURE

### *First Division :*

**DRAWING**—from the flat : from casts of Architectural ornaments : India-ink and water-color drawing.

**MATHEMATICS\***—plane descriptive geometry : isometric projection : linear perspective.

**ARCHITECTURE**—the five orders : studies of classical details : projects—doors, windows, porticoes, etc.

\* Students having the requisite knowledge of mathematical subjects may omit them, but will be required to pass examinations in the subjects specified above.

*Second Division :*

DRAWING—Casts of architectural ornament: water colors.

MATHEMATICS—descriptive geometry, including warped surfaces and stone-cutting: resistance of materials.

ARCHITECTURE—history of architecture: the various styles: studies of details in various styles: projects—dwelling-houses, stores, public-buildings, etc.

PROJECTS will be given out once a month (or once in two months), and the finished drawings will be placed on exhibition for comparison at the end of the year. Examinations will be held, and, at the close of the course, a programme will be given for a final project and thesis.

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COURSES OF LECTURES are provided in each department of instruction, in addition to the technical discipline. A course of public evening lectures is also given, during the winter, to which the students are admitted free. These lectures, on the History and Philosophy of Art, and kindred subjects, are illustrated with photographs, thrown upon a screen by the calcium light. The attendance of the students on all the lectures, with the exception of the public lectures, is obligatory.

EXHIBITIONS of the work of students are held in February and May. The last will be public, and from the comparison thus afforded, the standing of the students will be in part obtained.

PRIZES may be competed for, both in Drawing and Painting, at the close of the course; the necessary qualification includes, in drawing, an approved knowledge of perspective; and in painting, a requisite acquaintance with anatomy—as provided for by the instruction given in these branches.

DIPLOMAS are only accorded to those who remain through the full course, or pass the requisite examinations. If qualified, the student may enter advanced classes at once.

The CHARGE FOR TUITION is \$36.00 for three months, *in advance*; and no student will be admitted for a shorter period. Undergraduate students, in any department of the College, are charged one-half the usual rate of tuition. Art students are admitted *free to* all the lectures delivered in the school,

whether public lectures or those in regular course; to the collections at all times; and are entitled to such privileges, under the usual restrictions, as are granted to students in the other departments of the College.

The School is open to both sexes, but no student will be admitted under fifteen years of age.

The ART LIBRARY is open at specified hours for the use of students.

The COLLECTIONS embrace the "Jarves Gallery of Italian Art," numbering one hundred and twenty paintings, dating from the 11th to the 17th centuries; the "Trumbull Gallery" of original portraits and other works, by John Trumbull, numbering fifty-four pictures; a collection of portraits and works of contemporaneous art, numbering about one hundred pictures; together with about one hundred and fifty casts and marbles, the former from many of the best productions of ancient art. The Collections are open daily for the use of students, and to the public, during the winter, from 1 to 5 P. M.; and during the summer, from 9 A. M. to 6 P. M. The proceeds of the exhibitions are applied to the purchase of material adapted to instruction, and to the incidental expenses of the School.

"Students' Season Tickets," at fifty cents each, admitting the holders to the Exhibitions throughout the year, are furnished to students of all other departments of the College.

This department is open to all who desire to avail themselves of its instructions, without restriction, save as to age and general good character. It aims to embrace a wide field of usefulness in connection with the knowledge and promotion of art, and to offer every facility to the student, both in the way of criticism and technical discipline.

The term begins October 1st and ends on the 31st of May.

All applications for admission to the School should be made through the Director. It is particularly desirable that these applications be made before October 1st.

## DEPARTMENT OF THEOLOGY

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THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Lecturer on Church Polity and American Church History, a Professor of Hebrew Literature and Biblical Theology, a Professor of Systematic Theology, a Professor of Homiletics and the Pastoral Charge, a Professor of Ecclesiastical History, and a Professor of Sacred Literature.

THE CONDITIONS OF ADMISSION are membership in some evangelical church, or other satisfactory evidence of Christian character, and a liberal education at some College, or, in exceptional cases, an equivalent preparation for theological studies. Students of every Christian denomination, in case they are possessed of these qualifications, are admitted.

It is expected that every student will be promptly on the ground at the beginning of the session. Rooms are assigned in the order of application, but no room will be reserved for any applicant who neglects to appear, beyond one week after the opening of the term.

THE REGULAR COURSE OF INSTRUCTION occupies three years, and is arranged in the following order :

### JUNIOR YEAR :

Professor DAY will lecture on the Encyclopedia and Literature of Theology, and give instruction in Hebrew Grammar and Philology. Portions of the historical books of the Old Testament in the original will be carefully read and analyzed, and critical and exegetical dissertations presented by the class on points of special difficulty or importance.

Professor DWIGHT will give instruction in the exegetical study of the Greek New Testament. The course includes, in addition to the regular exegetical exercises, the critical investigation of the Greek text and the study of the subjects connected with the Introduction to the New Testament. Dissertations of a critical and exegetical character will, also, be prepared by the students and discussed in the presence of the class.

Professor HARRIS will lecture on Mental Philosophy with special reference to the study of Theology ; also on Natural Theology, the Evidences of Christianity, and the Inspiration of the Scriptures ; also, as incidental to these topics, on the various forms of Skepticism.

## MIDDLE YEAR :

Professor HARRIS will lecture on Systematic Theology. This course will include a full and systematic investigation of the doctrines of Christianity, and of existing questions and controversies in respect to them. The lectures are accompanied by examinations and free discussions.

Professor FISHER will lecture on General Church History, including the following topics : an historical survey of the Old or Preparatory dispensation in its relation to Christianity ; the establishment and spread of Christianity (including Missions and persecutions) ; Ecclesiastical Polity (including the rise and rule of the Papacy, and the Reformation) ; and the History of Christian Life and Worship.

Professor DAY will give instruction in Biblical Theology, with special reference to the progressive stages of Divine revelation, and the doctrinal results of the modern critical study of the Bible. He will also lecture on portions of the Hebrew Scriptures, especially the poetical and prophetic books.

Professor DWIGHT will continue to give instruction by lectures and recitations, in the exegetical study of the New Testament, especially the Pauline Epistles.

Dr. BACON will give a series of lectures on Church Polity, with special reference to the polity and discipline of the Congregational Churches.

## SENIOR YEAR :

Professor BARBOUR will lecture on Sacred Rhetoric and Homiletics, and also on Pastoral Theology, including the office, qualifications, pastoral duties, and special work of the ministry ; he will also take charge of the practical exercises in Preaching, and in the criticism of the style and delivery of Sermons.

Professor FISHER will lecture upon the history of Christian Doctrine and on Symbolical Theology, and students will be aided in pursuing historical investigations for themselves.

Dr. BACON will lecture on American Church History.

Professor DWIGHT will lecture on some topics of special interest connected with the different books of the New Testament.

Professor DAY will read, with those who wish to prosecute the study of Syriac, the Peshito version of the New Testament.

*Optional Studies in either Year :*

Professor DAY will read, free of charge, with those students who desire to become familiar with the theological literature of Germany and have made some progress in the language, some standard work in German on Christian doctrine, with critical remarks, and references to the ablest works on special topics. The grammatical study of the language may be pursued with the classes in the Sheffield Scientific School.

Professor Whitney will give instruction to those who desire it in Sanskrit.

Instruction in vocal music is given gratuitously to students who desire it. (See p. 56.)

The following courses of lectures in the Academical Department may be attended, free of charge, provided that they do not interfere with the regular studies of the Seminary: on *Intellectual and Moral Philosophy*, by President PORTER; on *Natural Philosophy*, by Professor LOOMIS; on *Evolution and Cosmogony*, by Professor DANA; on *History*, by Professor WHEELER; on *Political and Social Science*, by Professor SUMNER. Students may also be admitted to the various courses of lectures in the Sheffield Scientific School. Those who intend to become Foreign Missionaries have the privilege of attending gratuitously the lectures in the Medical Department.

EXERCISES IN PUBLIC SPEAKING—There will be an exercise for all the classes, in the presence of the Faculty, once in two weeks, in the reading of the Scriptures and hymns, and in the delivery of sermons, or parts of sermons, or addresses. Every alternate week there will be a conference, designed to cultivate the power of *extemporaneous speaking*, in which the students will be called on to present their views on some subject selected by the Faculty. Weekly debates are also held by the students, in societies of their own.

Instruction in Elocution will be given by Mr. BAILEY, the Instructor in the Academical Department.

LICENSE TO PREACH—The regular time for applying for a license is at the close of the second year's study, before which time members of the Department are not allowed to preach.

PUBLIC WORSHIP—Prayers are attended every morning in the MARQUAND Chapel, with reading of the Scriptures and singing. It is optional with the student whether to connect himself with the College Church, or with one of the City Churches; but whatever may be his decision it is hoped that he will actively engage, so far as may not be inconsistent with the prosecution of his studies, in some form of City Mission, Sabbath School, or other benevolent labor, for which constant opportunities are offered.

LIBRARIES—The Reference Library of the School, containing nearly two thousand volumes in various languages, and established through the liberality of Mr. Henry Trowbridge, of New Haven, is placed in the East Divinity Hall. It is designed to furnish the students with the standard and most recent books in every branch of theological literature and those most frequently called for in the pursuit of their studies. It is open daily for consultation, and thus takes the place, for each student, of a well selected private library.

The valuable Library of Church Music, belonging to the late Dr. Lowell Mason, has been recently given to the Department by his family. This Library, which is placed in the West Divinity Hall, and is one of the largest of the kind in the country, will be open for the use of students.



The College Library, to which the students have access without charge, contains over 90,000 volumes, and is open five hours on every secular day for consultation and for the drawing of books.

The library of the College literary societies, containing over 20,000 volumes in general literature, is accessible to theological students.

**PHYSICAL EXERCISE**—The College Gymnasium is open to the students of this department at a small charge. The harbor of New Haven affords excellent facilities for boating, to those inclined to this mode of exercise.

**THE ROOMS** in the two **DIVINITY HALLS** are provided with carpets, beds, and every necessary article of furniture (except bedding). They are assigned to new students in the order of application. A few rooms have two bedrooms, attached to them, but, in general, provision is made for each student to room alone. The buildings are warmed throughout by steam, and lighted by gas. Bath-rooms are placed on every floor. The buildings are thoroughly ventilated on an approved system.

**EXPENSES AND PECUNIARY AID**—Students have only to make pecuniary provision for about eight months of study annually. In the remaining four months of vacation, from May to September, they have the opportunity of engaging in Home Missionary or other labor, with remuneration for their services.

The expenses for the annual session are \$2.75 to \$4 a week for board; \$25 to \$30 for fuel and lights; and \$10 a year for care of room and other incidental expenses. There is no charge for instruction, room rent, or use of Libraries.

Students whose circumstances require it, will receive \$100 a year from the income of Scholarships and other funds belonging to the Department. Additional aid, generally to the amount of \$100 annually, but sometimes less, is afforded by the American Education Society to its beneficiaries. In special cases additional aid toward the expenses of board will be given. These means of assistance fully cover the expenses mentioned above.

The Scholarships belonging to the Department bear respectively the names of James Hillhouse, William Leffingwell, George E. Dunham, Normand Smith, E. E. Salisbury, Thomas R. Trowbridge, Charles Atwater, Richard Borden, Samuel Holmes, Charles Nichols, Roland Mather, Noah Porter, John

DeForest, J. R. Beadle, David Root, Mary Goodman, Orin Fowler, and Edward Bull.

A Graduate Scholarship has been established in this Department, as a memorial of the late Mrs. Aurelia D. Hooker, of New Haven. It will be offered for the third time to the class entering in 1880, and will be assigned at graduation to that member of the class who shall be judged by the Faculty to have made such proficiency in his theological studies as best to qualify him for the advantages afforded by this foundation for the further prosecution of the same. The person to whom the scholarship is given will receive the annual income (\$700) for two years after graduation, and will be expected to pursue a course of theological study, either as a resident at the Seminary, or in case he may prefer to do so, in Europe and Palestine.

After the close of the second year in May, students have frequent opportunities to receive remuneration for preaching in the neighboring churches.

In general it may be said, that sufficient aid will be provided for every young man who gives promise of usefulness in the ministry, to enable him, in connection with his own efforts, to complete a course of theological study.

COMMENCEMENT OF THE TERM, VACATION, ETC.—The session for 1879-80 began on Thursday, Sept. 11, and will continue till the third Thursday in May, when the public Anniversary is held. The annual examination of the classes, and the meeting of the Alumni, are held in the same week. The next annual term will begin on Thursday, September 16, 1880.

By thus throwing all the vacations into one, the most favorable season of the year is secured for study, while the opportunity is given, in the four months' vacation, to engage in some form of benevolent labor, in connection with the mission efforts of the churches, or in the service of one of the benevolent societies, by which the practical experience required of the pastor, as well as pecuniary compensation, may be obtained. Should any students prefer to spend the vacation in theological reading, the Professors will counsel them in the choice of books.

THE DEGREE of Bachelor of Divinity is conferred on all members of the Department who at the end of the Senior year pass the prescribed examination, and present an approved thesis on some topic in theology.

## DEPARTMENT OF MEDICINE

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THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Chemistry and Toxicology, a Professor of Obstetrics and the Diseases of Women and Children, a Professor of Materia Medica and Therapeutics, a Professor of Histology and Pathology, a Professor of the Principles and Practice of Surgery, a Professor of Clinical Surgery, a Professor of Anatomy, a Professor of Physiology, a Professor of Ophthalmology and Otology, a Lecturer on Insanity, a Lecturer on Diseases of the Nervous System, a Lecturer on Diseases of the Throat, a Clinical Lecturer on Gynecology, and a Demonstrator of Anatomy.

The system of instruction in this department is arranged in a GRADED COURSE, extending over three full years.

The College year extends from the first Thursday in October to the last day in June, with a vacation of two weeks in the latter part of February.

The first term for the present year begins on Thursday, October 2d, and closes on Wednesday, February 11, 1880.

The second term begins on Thursday, February 26, and closes with Commencement, July 1st, 1880.

Both these terms taken together, constitute a continuous system of instruction with separate courses of study and lectures for the three classes, into which students are divided according to their attainments.

In both terms instruction is given by lectures and recitations, so arranged and combined with practical work in the Anatomical, Chemical, Physiological, and Pathological Laboratories as may best promote the advancement of students to a thorough knowledge of Medical Science.

REQUISITES FOR ADMISSION—All candidates for admission, excepting those who have passed an examination for admission to Yale College or some similar Institution, must present a degree in Letters or Science from a recognized college or scientific school, or pass an examination in the following subjects:

1. MATHEMATICS: Algebra, to Quadratics; Euclid, 2 books; Metric System of Weights and Measures.
2. LATIN: Translation of easy prose, or of Virgil's *Æneid*.
3. PHYSICS: Balfour Stewart's Elementary Physics, or any equivalent work.

These examinations will be conducted in writing. Grammar, spelling, and construction will be considered in judging of the papers. Graduates in medicine will not be required to pass this examination for admission.

Examinations in Preliminary Studies will be held at the Medical College, at 9 A. M., on the Wednesday before the first Thursday in October.

DIVISION OF STUDIES—The first year the studies are: General Chemistry,\* Qualitative Analysis; Anatomy, Dissections; Histology; Physiology; Materia Medica and Therapeutics.

The second year the studies are: Histology and Pathology; Medical Chemistry and Toxicology; Anatomy, Dissections; Physiology and Embryology; Materia Medica; Therapeutics; Theory and Practice of Medicine; Obstetrics; Surgery.

The third year the studies are: Practical Histology and Pathology; Theory and Practice of Medicine; Physical Diagnosis; Clinical Medicine; Surgery; Clinical Surgery; Obstetrics; Diseases of Women and Children; Clinical Gynecology; Ophthalmology and Otology; Medical Jurisprudence; Insanity; Nervous Diseases; Diseases of the Throat.

It will be seen that the elementary branches are pursued the first year, and that they are reviewed and completed the second year. The practical branches are pursued the second year, and reviewed, continued, extended, and completed the third year.

Students who have studied elsewhere, either in any recognized Medical School, or under private preceptors of good standing, may enter an advanced class, upon passing the examinations required of those of equal grade.

CHEMISTRY—The instruction in Chemistry is given by lectures and recitations in the first term, and by laboratory work and recitations in the second term. The lectures are fully

\* Students who have passed in the Undergraduate Department of Yale College, or at the Sheffield Scientific School, an examination in General Chemistry, including qualitative analysis, will be exempt from this branch, and may pursue the study of Medical Chemistry during the first year.

illustrated by experiments. Medical Chemistry, Toxicology, and Qualitative Analysis are taught at the desk and by recitations, with occasional didactic lectures. Students of the first and second years only, attend to laboratory work, but the lectures on Chemistry are open to all—being obligatory only upon the first and second year's students.

Students of the third year and special students prepared to undertake original researches in chemistry, are encouraged to do so, and are supplied with the means of investigation.

**ANATOMY**—The spacious and well-appointed dissecting rooms are amply supplied with anatomical material, under the personal direction of the Demonstrator, and are open to students from November until April. The Demonstrator's ticket covers all charges for anatomical material.

**PHYSIOLOGY**—At the last Commencement the Corporation of Yale College filled the vacancy in the Chair of Physiology by the appointment of JAMES K. THACHER, M.D., who will give instruction in a new and spacious Laboratory, supplied with apparatus for practical work.

**HISTOLOGY AND PATHOLOGY**—The lectures in this course are illustrated by the daily use of an ample supply of compound achromatic microscopes, on which two sets of preparations are exhibited at every lecture. In this manner the principal microscopic structures, both natural and morbid, including urinary deposits, are seen by the students.

Advanced students are instructed in the practical use of the microscope, in the preparation and examination of natural and morbid tissues.

In addition to the lectures, pathology is also taught by a course of recitations from a text-book.

Pathological Anatomy is illustrated by a large collection of specimens and drawings, with which the Museum is supplied, and supplemented by fresh pathological specimens. Students are also expected to attend all the Autopsies made at the Morgue of the State Hospital. This large and convenient Morgue was constructed with special reference to render autopsies available for the instruction of students.

**OBSTETRICS AND DISEASES OF WOMEN AND CHILDREN** are taught by lectures and recitations, with demonstrations of the usual surgical operations in midwifery. A gynecological clinic is held at the College every week.

**MEDICAL JURISPRUDENCE**—Several of the Professors will give lectures on Medical Jurisprudence as it is related to their respective departments of instruction.

**OPHTHALMOLOGY AND OTOTOLOGY** are taught throughout the year by a course of practical lectures. A weekly Clinic for diseases of the Eye and Ear affords rare facilities for advanced students to acquire knowledge of this class of diseases, and also the application of the various instruments employed in their diagnosis and treatment.

There are also special courses of instruction on Mental Disease, on Diseases of the Nervous System, and on Diseases of the Throat.

**THE STATE HOSPITAL**, containing over a hundred beds, constantly affords, in its spacious wards, ample material for the illustration of disease, and furnishes frequent opportunities for the performance of all the minor and capital surgical operations.

**CLINICS** are held at the College on five days in every week, in General Surgery, General Medicine, Diseases of the Eye and Ear, Diseases of Women, and Diseases of the Throat. These are further supplemented by the facilities afforded by the New Haven Dispensary and the Clinics which are held once or twice every week at the State Hospital. In connection with the Clinics, students are made thoroughly conversant with the special methods of the expert practitioner, by having exhibited to them from day to day all the recent advances attained in physical explorations, special manipulations, and the enlightened employment of remedies. All kinds of surgical operations are performed in the presence of the students, and every endeavor is made to familiarize them with the use of all instruments and surgical appliances. Students in the Middle and Senior classes receive free tickets to the Dispensary and are instructed in the diagnosis and treatment of special diseases.

**MUSEUMS AND LIBRARIES**—The **MUSEUM** contains a large collection of natural and morbid specimens, numerous casts, plates and models of elegant execution, and an extensive Cabinet of *Materia Medica*, all of which are made practically useful in illustrating the subjects taught. The Libraries of the University and the ample Cabinets of Mineralogy, Geology, Palæontology, Osteology and Zoology, are also open for the instruction of students.

COMPARATIVE ANATOMY, ZOOLOGY, AND OTHER DEPARTMENTS COLLATERAL TO MEDICAL STUDIES—Special advantages are offered to Medical students for the pursuit of Zoology, Comparative Anatomy, Botany, and other cognate studies, under distinguished teachers, in connection with the Sheffield Scientific School.

REQUIREMENTS FOR A DEGREE—Every candidate must be twenty-one years of age, and of good moral character; must have spent at least one continuous year at this School, and have passed the required examinations in all the studies of the three years course.

No theses are required for graduation; but theses or monographs embodying results of original research, and of marked excellence, will be honorably mentioned, and may be commended for publication in the transactions of the Connecticut Medical Society or elsewhere.

EXAMINATIONS—The Board of Examiners consists of the Faculty, and an equal number of the members of the Connecticut Medical Society appointed by the President and Fellows of the same. The President of the Society is *ex-officio* President of the Board.

Examinations, chiefly in writing, will be held at the end of each year to determine the standing of students with reference to their advancement to the studies of the succeeding year.

Final examinations in the elementary branches will be held at the end of the second year of study, and in the practical branches of medicine at the close of the third year.

Candidates for final examination must notify the Dean in writing of their intention, not less than one month prior to the time when the examination is to be held.

No student can receive his degree, until he has passed a satisfactory examination in all the subjects named in the annual announcements of the year of his connection with the College.

#### FEEES AND EXPENSES

Matriculation Fee (annually), . . . . .	\$5.00
Tuition Fee, for one year, . . . . .	200.00
Incidentals of Laboratory, . . . . .	10.00
Demonstrator's Ticket, including material, . . . . .	10.00
Graduation Fee, . . . . .	30.00

If the annual tuition fee is paid in two payments, \$120 must be paid for the first term of attendance, and \$80 for the second. Students who have attended and paid for two full years, will be entitled to attend the third year for \$100; if in two payments, \$60 for the first term and \$40 for the second.

BOND—Students who do not pay in advance are required to give a bond to the Treasurer of Yale College for three hundred dollars, executed by two satisfactory bondsmen: a blank for this bond will be furnished on application to the Dean of the Faculty. Those who deposit such bond will receive term bills shortly before the end of each term, to be paid on or before the beginning of the next succeeding term, and students who deposit bonds must notify the Dean of their intention to withdraw from the College and must pay all arrearages before they can receive back their bonds from the Treasurer. No degree can be conferred until all term bills are discharged.



## DEPARTMENT OF LAW

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THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Mercantile Law and Evidence, a Professor of Elementary and Criminal Law and the Law of Real Property, a Professor of Constitutional Law, Contracts, and Wills, a Professor of the Law of Torts and Equity Jurisprudence, and a Professor of International Law. Lectures are also delivered by Rev. LEONARD BACON, D.D., LL.D., on Ecclesiastical Law, Hon. ORIGEN S. SEYMOUR, LL.D., on Judicial Procedure and Practice, Hon. LAFAYETTE S. FOSTER, LL.D., on Parliamentary Law and Methods of Legislation, Professor WAYLAND on English Constitutional Law and History, Professor ROBINSON on Forensic Oratory, the Origin of Law, and the Administration of Estates, MARK BAILEY, M.A., on Forensic Elocution, Professor BALDWIN on Roman Law, Professor PLATT on General Jurisprudence, and FREDERIC H. BETTS, M.A., on Patent Law.

TERMS AND VACATIONS—There are three terms in each year: the Fall Term, beginning on the last Thursday of September and continuing to the Thursday before Christmas; the Winter Term, beginning in January, after a vacation of three weeks, and closing the last Thursday of March; and the Spring Term, beginning on the second Thursday of April and continuing until Commencement. (See Calendar, p. 4.)

### COURSE OF INSTRUCTION

#### UNDERGRADUATE COURSE

The Undergraduate Course occupies two years, the students being divided into two classes, for each of which a special course of study is provided. The daily exercises consist of lectures and recitations from standard text-books, the latter being accompanied by oral explanations. The students are frequently referred to the leading cases on the subject under consideration, and are required to be prepared for questions upon them at the next exercise; they are also encouraged to put questions freely to the instructor at all recitations. Moot

Courts are regularly held, at which one of the professors acts as judge. The students acting as counsel, in the argument of cases, are required to draw the necessary pleadings, according to the common law or equity forms, as the case may be.

Members of either Class can attend the lectures of Professors to undergraduates in other Departments of the College, whenever it is compatible with their other engagements; and, with a few exceptions only, without charge. They can also attend one or more of the special courses of graduate instruction in the Department of Philosophy and the Arts, or the lectures on Medical Jurisprudence, Anatomy, Insanity, etc., in the Department of Medicine, on payment of a moderate fee.

The regular course of study is as follows:

#### JUNIOR YEAR:

FALL TERM—Recitations: Elementary Law, Prof. Robinson; Contracts, Prof. Baldwin; Pleading, Prof. Robinson; International Law, Prof. Woolsey. Lectures: Nature and History of American Law, and Wills, Prof. Baldwin.

WINTER TERM—Recitations: Contracts, Professors Robinson and Baldwin; Evidence, Prof. Wayland; Torts, Prof. Platt. Lectures: Wills, Prof. Baldwin; Forensic Oratory, Prof. Robinson.

SPRING TERM—Recitations: Contracts, Professors Robinson and Baldwin; Pleading, Prof. Platt; Mercantile Law, and Evidence, Prof. Wayland; Real Property, Prof. Robinson. Lectures: English Constitutional Law, Prof. Wayland; Origin of Law, Prof. Robinson; Forensic Elocution, Mr. Bailey.

#### SENIOR YEAR:

FALL TERM—Recitations: Real Property, Prof. Robinson; Equity, Prof. Platt; Contracts, Prof. Baldwin. Lectures: International Law, Prof. Woolsey; American Constitutional Law, Prof. Baldwin.

WINTER TERM—Recitations: Contracts, Prof. Baldwin; Private Corporations, Prof. Robinson; Equity, Prof. Platt; Real Property, Prof. Robinson. Lectures: American Constitutional Law, Prof. Baldwin; Judicial Procedure, Judge Seymour.

SPRING TERM—Recitations: Corporations, Criminal Law, and Estates, Prof. Robinson. Lectures: Parliamentary Law, and Methods of Legislation, Judge Foster; Roman Law, and Practice, Prof. Baldwin; Patents, Mr. Betts; Ecclesiastical Law, Dr. Bacon.

Any one or more of these studies may be pursued by those who do not intend to engage in the practice of the Law, but wish to obtain a knowledge of its principles to complete their education, or with reference to mercantile pursuits.

The principal text-books used are, in Junior year, Robinson's Notes on Elementary Law, Blackstone's Commentaries, Cooley on Torts, Parsons on Contracts, Stephen on Pleading, Woolsey's Introduction to the Study of International Law, Greenleaf on Evidence, vol. i, and Washburn on Real Property; in Senior year, Parsons on Contracts, Story on Equity Jurisprudence, Angell and Ames on Private Corporations, and Washburn on Real Property.

Students are also recommended to read during their course the following works, in connection with their regular exercises: Kent's Commentaries, Smith's Leading Cases, Hadley's Roman Law, and Cooley on Constitutional Limitations.

At the close of the Spring Term, each Class is subjected to a written examination on the studies of the preceding year.

**TERMS OF ADMISSION**—Applicants for admission to the Junior Class must be at least eighteen years of age, and must produce certificates of good moral character. No student who has not taken a degree from some collegiate institution, will be admitted as a candidate for a degree, until he has passed a satisfactory examination on the outlines of the History of England, and of the United States, and the text of the Constitution of the United States. This will be conducted in writing, and the style of the composition and orthography in the answers, as written, must be such as to evince a competent knowledge of English Grammar.

To entitle a person to admission to advanced standing as a member of the Senior Class, he must be at least nineteen years of age; must, if a college graduate, have studied law under a competent instructor for at least one year, or at the law school of some college or university for at least six months; must, if not a college graduate, have studied law under a competent instructor for at least two years, or at a law school for at least one year; and must pass such examination as is required for those entering the Senior Class in the regular course, and also (unless a college graduate) such an examination as is required of applicants for admission to the Junior Class. Attorneys at law of any State are entitled to admission to the Senior Class, without examination, on the exhibition of their certificates of admission to the bar.

While time spent at another law school will be reckoned, to the extent above mentioned, as equivalent to an equal length of time in this school, on the part of those applying for admission to advanced standing, it will be

observed that the same examination is required in such cases as in all others.

Applicants for admission to advanced standing who have received a collegiate degree, or have passed the preliminary examination in English studies specified above, may either attend the regular annual Junior examination, which begins the second week before Commencement, or pass a special examination beginning on the first Saturday of the Fall Term, or on the last Thursday of February, at which it will be sufficient if they are prepared to be questioned on Kent's Commentaries, lectures 1 to 9 inclusive, 14 to 18 inclusive, and 20, 21, 60, 62, and 68; Parsons on Contracts, excepting only from vol. i, pages 9 to 40 and 217 to 233, and from vol. ii, pages 1 to 32 and 258 to 614; Blackstone's Commentaries, Robinson's Notes on Elementary Law, Stephen on Pleading (except book 4), Greenleaf on Evidence, vol. i, Woolsey's Introduction to the Study of International Law, and Cooley on Torts.

Special students, not candidates for a degree, will be admitted to any of the exercises of the School, without examination.

#### GRADUATE COURSE

The Graduate Course occupies two years, and is open to graduates from any Law School, having the degree of LL.B., under the conditions specified on p. 94. The vacations are the same as those in the Undergraduate Course in this department. The degree of Master of Law (M.L.) will be conferred upon examination at the close of the first year, and that of Doctor of Civil Law (D.C.L.) at the end of the second year. The curriculum for the first year is particularly designed to supplement that of the Undergraduate Course by affording further instruction in the branches there pursued; that of the second year is designed to meet the wants of those who aim at acquiring a thorough acquaintance with jurisprudence and its affiliated studies, as a means of completing their education, without confining themselves to such topics as are of the first necessity to the practicing lawyer.

The arrangement of the course is as follows :

## FIRST YEAR :

Admiralty Law, and Patents, Prof. Robinson; Practice in the U. S. Courts, Railroad Law, and American Constitutional History, Prof. Baldwin; Municipal Corporations, and Practice in States having a Code of Civil Procedure, Prof. Platt; Political History and Science, Prof. Sumner, or English Constitutional History, Prof. A. M. Wheeler; International Law, Prof. Woolsey.

## SECOND YEAR :

Parliamentary Law, History of the Law of Real Property, and Canon Law, Prof. Robinson; Comparative Jurisprudence, and Conflict of Laws, Prof. Baldwin; General Jurisprudence, Prof. Platt; Roman Law, Mr. A. S. Wheeler; Relations of Physical Geography to Political History, Prof. Brewer; Political and Social Science, Prof. Sumner, or Political Economy, Prof. Walker.

Among the principal text-books used are Parsons on Shipping and Admiralty, Curtis on Patents, Desty's Federal Procedure, Pierce on American Railroad Law, Austin on Jurisprudence, Dillon on Municipal Corporations, Pomeroy's Remedies and Remedial Rights, the Commentaries of Gaius, Institutes of Justinian, selected titles of the Pandects, the Code Napoleon, Cushing's Parliamentary Law, and Wharton on Private International Law.

There will be regular exercises for those pursuing each year of the graduate course, the preparation for which, with the collateral course of reading which will be prescribed for each, the composition of the graduating thesis, etc., will be such as to occupy the working time of the students through the year.

A knowledge of Latin will be necessary for those pursuing the studies of the last year of the course, but will not be indispensable for candidates for the degree of M.L.

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EXAMINATIONS—There will be preliminary examinations of candidates for admission to the Junior Class at the opening of the Fall Term, and at no other time.

Candidates for admission to the Senior Class will be examined as above, at the end of the Spring Term, or beginning of the Fall Term.

Seniors will be examined for a degree, only at the close of the Spring Term; or on the last Thursday of February, when their prescribed period of study shall mature at that time.

Examinations for degrees in the Graduate Course will be held at the close of the Spring Term.

Every candidate for each degree, both in the Undergraduate and Graduate Courses, must also submit a written thesis on a given legal topic, which must be approved by the Faculty.

**LIBRARY**—The special Library of the Department, which has a permanent endowment for its support (the English Fund),\* contains over eight thousand volumes, comprising a complete collection of the English, American, and Irish Reports of Judicial decisions, and an extensive collection of text-books, and works on jurisprudence and political history and philosophy. The consulting room is also supplied with the leading legal periodicals. The Library is open daily, during the term time, from 8 A. M. to 12:45 P. M., and from 2 to 5:45 P. M. (with the exception of Saturday afternoon). During vacation it is not opened until 9 A. M.

The students can also draw books without charge from the general University libraries, containing over 100,000 volumes.

**PRIZES** are annually awarded as follows:

The **TOWNSEND PRIZE**,† of one hundred dollars, to that member of the Senior Class who shall write and pronounce the best oration or thesis at his graduation, at the public anniversary exercises of the Department, on the day before Commencement.

The **JEWELL PRIZE**,‡ of fifty dollars, to that member of the Senior Class who receives the highest marks at the final examination of his class, at their graduation.

The **BETTS PRIZE**,§ of fifty dollars, to that member of the Junior class who receives the highest marks at his annual examination.

**BUILDING, AND FACILITIES FOR OBSERVING PRACTICE**—The School occupies an entire story of the Court House of New Haven County, having upon the same floor a lecture room accommodating two hundred students, a large library hall, a Moot Court room, an instructors' room, and other apartments furnishing every needed convenience for Law clubs and debating societies.

Two terms of the Supreme Court of Errors of Connecticut

\* Established by Hon. James E. English, M.A., in 1873.

† Established by Hon. James M. Townsend, in 1874.

‡ Established by Hon. Marshall Jewell, M.A., in 1871.

§ Established by Frederic H. Betts, M.A., in 1875.

one term of the United States Circuit Court, and two terms of the United States District Court, are held annually in New Haven; and the Superior Court and Court of Common Pleas, the principal *nisi prius* Courts of the State, are also in session almost daily, during each of the Law School terms.

**GYMNASIUM**—The College gymnasium is open to members of the Law Department on payment of moderate fees.

**DEGREES**—In the Undergraduate Course the degree of Bachelor of Laws will be conferred by the Corporation, upon the recommendation of the Faculty of the Department, based on a satisfactory examination and the submission of a satisfactory thesis, on the following persons:

1st. Attorneys at Law, who have been members of the Department for one year after their admission to the Bar.

2d. Any students who have been members of the Department for not less than two years, and who passed satisfactorily the Junior Examination at the end of their first year.

3d. Students who have received the degree of Bachelor or Doctor in any of the Arts or Sciences from any incorporated College or University, and have subsequently been members of this Department for not less than eighteen months, and who passed satisfactorily an examination at the end of their first six or twelve months, on all the studies of the Junior year.

4th. Students who have been admitted to advanced standing as members of the Senior Class, and have remained in that Class for not less than one year.

The examination for the degree is conducted under the supervision of an examining committee, appointed by the Superior Court, and the successful candidates, if twenty-one years of age, are thereupon admitted to the Connecticut Bar.

In the Graduate Course the degree of Master of Law (M.L.) will be conferred by the Corporation, on the recommendation of the Faculty of the Department, on persons, who, after having taken the degree of Bachelor of Laws, at this or any other Law School, pursue, during at least one year, such a course of advanced studies as the Faculty may direct.

Bachelors of Laws, who also have the degree of Bachelor of Arts or of Philosophy, or who, having the degree of LL.B. from this College, ranked among the first quarter of their class in scholarship, according to their average marks at their

final examination for that degree, may, after having taken the degree of M.L., apply for that of Doctor of Civil Law (D.C.L.). All applicants for the latter degree must have a good knowledge of Latin, and also of either the French or German language. The course of instruction extends over one year after taking the master's degree, and the Faculty will recommend no one for the degree of D.C.L., who has not attained a high standard of proficiency in the studies pursued.

Neither degree will be conferred, except upon candidates who pursue their studies at New Haven under the direction of the Faculty, pass with credit a strict final examination, and present a satisfactory thesis.

EXPENSES—The fees for tuition and use of the Library in the Undergraduate Course are \$45 for the Fall Term, \$35 for the Winter Term, and \$35 for the Spring Term, or \$100 for the entire year, and in the Graduate Course, \$50 for the Fall Term, \$40 for the Winter Term, and \$40 for the Spring Term, or \$125 for each year; to be paid to the Treasurer of the College in advance, or secured by a bond satisfactory to him. Where payment is not made in advance, interest will be added. Candidates for a degree who pursue their studies beyond the minimum period of attendance required, before applying for examination, will be charged only half these rates for their subsequent tuition. The diploma fee is \$5, and the Court fees for admission to the Bar are \$8. A further fee of \$5 is chargeable for admission to practice in the United States Courts for the District of Connecticut, if this is also desired. The tuition charges for special students, not candidates for a degree, vary in proportion to the amount of instruction and supervision required, but will never exceed those made in the regular course.

Board and lodgings can be obtained at prices ranging from \$5 a week upwards.

For further particulars, inquiries may be addressed to Professor Francis Wayland, Dean of the Faculty.



## PEABODY MUSEUM OF NATURAL HISTORY

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### TRUSTEES

PROFESSOR JAMES D. DANA, PH.D., LL.D., *Chairman*  
HIS EXCELLENCY CHARLES B. ANDREWS, LL.D., *ex-officio*  
THE HONORABLE ROBERT C. WINTHROP, LL.D.  
PROFESSOR BENJAMIN SILLIMAN, M.D.  
PROFESSOR GEORGE J. BRUSH, M.A., *Treasurer*  
PROFESSOR OTHNIEL C. MARSH, M.A.  
GEORGE PEABODY WETMORE, M.A.

### CURATORS

OTHNIEL C. MARSH, M.A., *Curator of the Geological Collection*  
ADDISON E. VERRILL, M.A., *Curator of the Zoological Collection*  
EDWARD S. DANA, PH.D., *Curator of the Mineralogical Collection*

The gift of the Founder, GEORGE PEABODY, of London, was committed to the Board of Trustees, in 1866, "to found and maintain a Museum of Natural History, especially in the departments of Zoology, Geology, and Mineralogy in connection with Yale College." Of the entire gift (\$150,000), \$100,000 was devoted by the donor to the erection, on land given for the purpose by the President and Fellows of the College, of a fire-proof building, planned with special reference to subsequent enlargement. Of the remainder of the gift, the sum of \$20,000 is set apart as a reserve fund for the completion of the building, and the income of \$30,000 is available for the care of the Museum and the increase of its collections.

By the accumulations from investment of the original building-fund, the first wing of the Museum is now completed, at a cost of about \$140,000, or, with cases, \$175,000.

The basement will be used for exhibiting the collection of fossil footprints from the Connecticut valley, and for work and storerooms. The first story contains the Mineralogical Collection, and rooms for instruction in Mineralogy, as well as the general lecture room. The second story is entirely devoted to Geology, and the third to Zoology. The fourth is used for the collection in Archæology and Ethnology, and for storerooms.

So far as the collections are arranged, the Museum is open to students and the public every day in term-time.

## LIBRARIES

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THE COLLEGE LIBRARY numbers about 93,000 volumes, besides many thousand unbound pamphlets. It is designed for the use of the College officers, resident graduates, and the students of the various departments. Other persons may have the privilege of consulting the Library and drawing books, by permission of the Library Committee. The Library is open daily in term-time from 9½ A. M. to 1 P. M., and from 2¼ to 5 P. M. (or, during the winter months, to 4½ P. M.)

In the same building is the LINONIAN AND BROTHERS LIBRARY, designed primarily for the use of the undergraduate students, and containing over 20,000 volumes. This Library is open daily, from 1½ to 2½ P. M.; on Wednesdays and Saturdays from 10 A. M. to 12 M. and from 1½ to 4 P. M.

The departments of Theology, of Medicine, and of Law, the Sheffield Scientific School, and the School of the Fine Arts, have each a special Library, accessible to the students of those schools respectively.

The Library of the AMERICAN ORIENTAL SOCIETY, numbering about 3,500 printed books and manuscripts, is kept in the College Library building.

### SUMMARY

College Library (exclusive of pamphlets), about	-	93,000 vols.
Linonian and Brothers Library, about	- - -	22,000 "
Libraries of the Professional Schools, about	- - -	18,000 "
		<hr/>
		133,000

# APPENDIX

## APPOINTMENTS FOR COMMENCEMENT,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, JUNE 26, 1879

### ORATIONS

LLOYD WHEATON BOWERS, Valedictory Oration, <i>Elizabeth, N. Y.</i>	
MALCOLM McIVOR McKENZIE, Salutatory Oration, <i>New Haven</i>	
HENRY JAMES TENEYCK, Philosophical Oration, <i>Albany, N. Y.</i>	
{ AARON VANSCHAICK COCHRANE, Philosophical Oration, <i>Coxsackie, N. Y.</i>	
{ JOHN MILTON FOX, Philosophical Oration, <i>Salem</i>	
{ Edward McA. Noyes, <i>Woodbury</i>	Ambrose Tighe, <i>Brooklyn, N. Y.</i>
{ Louis L. Stanton, <i>New York City</i>	Lucien F. Burpee, <i>Rockville</i>
Ernest Carter, <i>Chicago, Ill.</i>	{ Louis N. Booth, <i>Bridgeport</i>
Ivan M. Marty, <i>Kansas City, Mo.</i>	{ Otis H. Waldo, <i>Milwaukee, Wisc.</i>
Samuel M. Foster, <i>Newburgh, N. Y.</i>	{ Frank W. Marsh, <i>New Milford</i>
{ John V. Farwell, Jr., <i>Chicago, Ill.</i>	{ Thomas B. Marston, <i>Chicago, Ill.</i>
{ Alpheus H. Snow, <i>Hartford</i>	{ Frederic T. Simpson, <i>Bath, Me.</i>
Albert W. Shaw, <i>Buffalo, N. Y.</i>	{ John L. Franklin, <i>New Haven</i>
George W. Kirchwey, <i>Albany, N. Y.</i>	{ Robert R. Griswold, <i>Binghamton, N. Y.</i>
{ Henry C. Crouch, <i>Kingston, N. Y.</i>	{ Charles Miller, <i>Williston, Vt.</i>
{ James W. Eaton, <i>Albany, N. Y.</i>	{ Willis E. Story, <i>Milwaukee, Wisc.</i>
Frederic A. Stokes, <i>Detroit, Mich.</i>	

### DISSERTATIONS

Ralph Barker, <i>New York City</i>	Henry Hitchcock, <i>St. Louis, Mo.</i>
Henry Maltzberger, <i>Reading, Pa.</i>	Charles H. Livermore, <i>Fair Haven</i>
Isaac Peck, <i>Flushing, N. Y.</i>	{ Edgar B. Nichols, <i>Easton</i>
Henry H. McNair, <i>Lima, N. Y.</i>	{ George D. Watrous, <i>New Haven</i>
{ Howard D. Newton, <i>Norwich, N. Y.</i>	
{ Thomas E. Rochfort, <i>New Haven</i>	

### DISPUTES

{ David Fleischman, <i>Albany, N. Y.</i>	{ John T. Wentworth, <i>Racine, Wisc.</i>
{ Louis Howland, <i>Indianapolis, Ind.</i>	{ Harry K. Willard, <i>Washington, D. C.</i>
John G. C. Sonn, <i>Newark, N. Y.</i>	{ George D. Munson, <i>Wallingford</i>
{ Lorenzo C. Brooks, <i>Chicago, Ill.</i>	{ Samuel P. Willard, <i>Colchester</i>
{ John J. Hill, <i>Pittsburgh, Pa.</i>	Frank E. Hyde, <i>Hartford</i>
{ Louis DuP. Syle, <i>Baltimore, Md.</i>	
{ Augustus S. Carrier, <i>Erie, Pa.</i>	{ Frank Jones, <i>Kansas, Mo.</i>
{ George F. Foster, <i>Gd. Rapids, Mich.</i>	{ Charles H. Leete, <i>Potsdam, N. Y.</i>
{ Walter B. James, <i>Baltimore, Md.</i>	Henry A. Bushnell, <i>Old Saybrook</i>
{ Charles B. Peck, <i>Bridgeport</i>	Amos L. Hatheway, <i>Willimantic</i>
{ Delavan S. Sweet, <i>Phanix, N. Y.</i>	William C. Merritt, <i>Oakland, Cal.</i>
{ Samuel A. Kimball, <i>Bath, Me.</i>	
{ Gilbert D. Lamb, <i>Franklin</i>	
{ Mardon D. Wilson, <i>Philadelphia, Pa.</i>	

### COLLOQUIES

{ Edward A. Bowers, <i>New Haven</i>	{ William W. Bailey, <i>New Haven</i>
{ Elisha B. Joyce, <i>New York City</i>	{ Howard W. Hayes, <i>Newark, N. Y.</i>
William G. Seeley, <i>Brooklyn, N. Y.</i>	{ Lewis H. Hyde, <i>Norwich</i>
Robert H. Munson, <i>Williamsport, Pa.</i>	{ George W. F. Smith, <i>Potsdam, N. Y.</i>
George M. Kimball, <i>Concord, N. H.</i>	
{ Edward S. Fowler, <i>Cambridge, Mass.</i>	{ Charles F. Aldrich, <i>Worcester, Ms.</i>
{ George L. Lewis, <i>Buffalo, N. Y.</i>	{ John W. Shepard, <i>Hartford</i>
{ Charles L. Merriam, <i>West Meriden</i>	{ Thomas R. Barnum, <i>New Haven</i>
{ Henry S. Green, <i>New Milford</i>	{ William H. Smith, <i>Brooklyn, N. Y.</i>
{ Lewis A. Platt, <i>Waterbury</i>	George S. Linde, <i>New Haven</i>
John O. Perrin, <i>LaFayette, Ind.</i>	Charles R. Pence, <i>Peru, Ind.</i>
Edward Southworth, <i>W. Springfield, Ms.</i>	

The graduating Class numbered one hundred and thirty-one.

## APPOINTMENTS FOR JUNIOR EXHIBITION,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, APRIL 3, 1879

### ORATIONS

WILLIAM M. HALL, *Ashfield, Mass.*

FRANK W. HOPKINS, *Cincinnati, O.*

ALFRED B. NICHOLS, *New Haven*

DICKINSON W. RICHARDS, *Litchfield*

John A. Amundson, <i>Rochester, Minn.</i> Edward M. Bentley, <i>Ellenville, N. Y.</i> Walter H. Buell, <i>Madison</i> John E. Bushnell, <i>Old Saybrook</i> Frank Goodrich, <i>Auburn, N. Y.</i> Edmund F. Green, <i>Oakland, Cal.</i> Frederick S. Morrison, <i>Holyoke, Mass.</i>	William H. Sherman, <i>Providence, R. I.</i> Frederic M. Smith, <i>Hartford</i> Grant A. Smith, <i>Milwaukee, Wisc.</i> Arthur E. Walradt, <i>Chester, Mass.</i> Wilson C. Wheeler, <i>New Haven</i> Heman C. Whittlesey, <i>Newington</i>
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William L. Allen, <i>Brooklyn, N. Y.</i> William R. Barbour, <i>New Haven</i> Frederic W. Keator, <i>Moline, Ill.</i> James E. Newcomb, <i>New London</i> Edward P. Noyes, <i>Wilmington, Mass.</i>	Charles H. Richardson, <i>Groton, Mass.</i> Doremus Scudder, <i>Brooklyn, N. Y.</i> Robert W. Selden, <i>Brandon, Vt.</i> Edward C. Spencer, <i>St. Paul, Minn.</i> Harry W. Taft, <i>Cincinnati, O.</i>
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### DISSERTATIONS

William R. Innis, <i>Poughkeepsie, N. Y.</i> Sidney C. Partridge, <i>Brooklyn, N. Y.</i> William A. Peters, <i>Wilkes Barre, Pa.</i>	Samuel S. Sewall, <i>Bath, Me.</i> Max Stern, <i>Hartford</i> David C. Wells, <i>Fayetteville, N. Y.</i>
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### DISPUTES

John D. Bassett, <i>New Haven</i> Preston King, <i>Minneapolis, Minn.</i> Edward W. Knevals, <i>New York City</i> Thomas R. Morrow, <i>Hartford</i> Henry C. Ordway, <i>Hampstead, N. H.</i> LeRoy B. Peckham, <i>Lebanon</i>	Smith F. Phillips, <i>East Chatham, N. Y.</i> Henry Trowbridge, <i>New Haven</i> Wirt D. Walker, <i>Chicago, Ill.</i> Edwin C. Ward, <i>Farmington</i> James H. Watson, <i>Brooklyn, N. Y.</i>
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Donald Y. Campbell, <i>Oakland, Cal.</i> Elias W. Davis, <i>Worcester, Mass.</i> Arthur C. Dill, <i>New Haven</i>	William R. Purple, <i>Springfield, Mass.</i> George D. White, <i>New York City</i>
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### COLLOQUIES

Frank W. Booth, <i>Bennington, Vt.</i> Walter C. Camp, <i>New Haven</i> William G. Daggett, <i>New Haven</i> Edwin C. M. Hall, <i>Fair Haven</i> Samuel W. Lambert, <i>New York City</i> Wilson C. McHenry, <i>Baltimore, Md.</i>	Robert DeL. Martin, <i>Tiffin, O.</i> Alphonso P. Sawyer, <i>Millbury, Mass.</i> Charles L. Sherman, <i>Castleton, Vt.</i> Frank O. Spencer, <i>Cleveland, O.</i> Lawrence Wilkinson, <i>Greenwich</i> Charles P. Wurts, <i>New Haven</i>
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Wilmore Anway, <i>Florida, N. Y.</i> Frank H. Ayer, <i>Nashua, N. H.</i> Asa J. Farwell, <i>Hartford</i> Charles W. Haines, <i>Colchester</i> William T. Haviland, <i>Bridgeport</i> John P. Helfenstein, <i>Shamokin, Pa.</i>	John T. Hubbard, <i>Litchfield</i> Charles N. Ransom, <i>Colchester</i> John F. Shepley, <i>St. Louis, Mo.</i> TenEyck Wendell, <i>Cazenovia, N. Y.</i> John F. Woodhull, <i>Groton</i>
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## HOLDERS OF FELLOWSHIPS, ACADEMICAL DEPARTMENT

DOUGLAS Fellow—CHARLES MILLER, B.A., Class of 1879

SOLDIERS' Memorial Fellow—LLOYD W. BOWERS, B.A., Class of 1879

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## SCHOLARS OF THE HOUSE, ACADEMICAL DEPARTMENT

LARNED Scholar—Class of 1877—ALEXANDER M. WILCOX, B.A.

LARNED Scholar—Class of 1878—WILLIAM E. WATERS, B.A.

CLARK Scholar—Class of 1878—WILLIAM E. WATERS, B.A.

LARNED Scholar—Class of 1879—ALBERT W. SHAW, B.A.

CLARK Scholar—Class of 1879—ALBERT W. SHAW, B.A.

W. W. DEFOREST Scholar—Class of 1879—EDWARD M. NOYES, B.A.

BRISTED Scholar—Class of 1881—ADRIAN S. VAN DE GRAAFF

WOOLSEY Scholar—Class of 1880—WILLIAM M. HALL

WOOLSEY Scholar—Class of 1881—PHILIP G. BARTLETT

WOOLSEY Scholar—Class of 1882—BENJAMIN BREWSTER

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## PREMIUMS AWARDED DURING THE YEAR 1878-79

### UNIVERSITY PRIZE

JOHN A. PORTER Prize—Edward D. Robbins, B.A., of the Class of 1879,  
Department of Law

Committee of Award: Professor James M. Hoppin, D.D., Yale College  
Hon. Charles R. Ingersoll, LL.D., New Haven  
Rev. Isbon T. Beckwith, Ph.D., Yale College

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### ACADEMICAL DEPARTMENT

LARNED Scholarship—Class of 1878—William E. Waters, B.A.

LARNED Scholarship—Class of 1879—Albert W. Shaw

CLARK Scholarship—Class of 1879—Louis D. Syle

CLARK Scholarship—Class of 1879—Albert W. Shaw

W. W. DEFOREST Scholarship—Class of 1879—Edward M. Noyes

BRISTED Scholarship—Class of 1881—Adrian S. Van de Graaff

WOOLSEY Scholarship—Class of 1882—Benjamin Brewster

HURLBUT Scholarship—Class of 1882—John L. Wells

THIRD FRESHMAN Scholarship—Class of 1882—William L. Littlehales

DEFOREST Medal—Class of 1879—Louis J. Swinburne

TOWNSEND Premiums for English Composition—Class of 1879—Lucien F.  
Burpee, Samuel M. Foster, George W. Kirchwey, Louis D. Syle,  
Ambrose Tighe

SENIOR Mathematical Prize—Class of 1879—1st Prize, with medal, Henry  
C. Crouch

PREMIUM for solution of Astronomical Problems—Class of 1879—1st Prize,  
John M. Fox

SCOTT Prize in German—Class of 1879—Aaron V. S. Cochrane and William  
H. Smith (equal)

SCOTT Prize in French—Class of 1880—Cecil K. Austin

WINTHROP Prize—Class of 1880—1st Prize, Horatio M. Reynolds

## JUNIOR EXHIBITION PREMIUMS—CLASS OF 1880

1st Prize, William M. Hall ; 2d Prizes, Edward M. Bentley, Edmund F. Green, Frank W. Hopkins, Edward P. Noyes, Sidney C. Partridge, LeRoy B. Peckham, Doremus Scudder, Harry W. Taft

## PREMIUMS FOR ENGLISH COMPOSITION—CLASS OF 1881

1st Term : 1st Prizes, John C. Coleman, Charles A. S. Dwight, Levi A. Eliel, Sherman Evarts, Adrian Van de Graaff ; 2d Prizes, Philip G. Bartlett, Joseph D. Burrell, George E. Ide, James Leighton ; 3d Prizes, Russell A. Bigelow, Allen B. Lincoln, Frederick Seymour, George B. Silliman

2d Term : 1st Prizes, Philip G. Bartlett, Joseph D. Burrell, John C. Coleman, Sherman Evarts, James Leighton ; 2d Prizes, John E. Bowen, Charles A. S. Dwight, Freeman C. Griswold, Aubrey D. Hiles, Everett Warren ; 3d Prizes, Edwin E. Aiken, Russell A. Bigelow, Levi A. Eliel, Allen B. Lincoln, Harris Richardson, George B. Silliman

## PRIZES FOR DECLAMATION—CLASS OF 1881

1st Prize, George E. Ide and Frank N. Loomis ; 2d Prize, Arthur E. Bostwick and Henry S. Durand ; 3d Prize, Harris Richardson

## MATHEMATICAL PRIZES

Class of 1881—1st Prize, Frank B. Lucas ; 2d Prizes, Charles W. Holzheimer, Isaac Thomas

Class of 1882—1st Prize, Barclay Johnson ; 2d Prize, Wayland I. Bruce ; 3d Prizes, Frank F. Abbott, David Kinlay

## BERKELEY PREMIUMS FOR LATIN COMPOSITION—CLASS OF 1882

1st Prizes, Frank F. Abbott, Morgan H. Beach, Benjamin Brewster, Carlton A. Foote, Charles B. Graves, William L. Littlehales ; 2d Prizes, Wayland I. Bruce, Barclay Johnson, Arthur Scranton, William Seymour, Bernard Titcher, John L. Wells

## SHEFFIELD SCIENTIFIC SCHOOL

## Class of 1879

PRIZE FOR EXCELLENCE IN GERMAN, Nathaniel T. Bacon, with honorable mention of Robert W. Patrick

PRIZE FOR EXCELLENCE IN FRENCH, George A. Saunders

PRIZE FOR EXCELLENCE IN CIVIL ENGINEERING, George A. Saunders

## Class of 1880

PRIZE FOR EXCELLENCE IN MATHEMATICS, Dwight Porter, with honorable mention of Edwin M. Rogers and Harry O. Carrington

## Class of 1881

PRIZE FOR EXCELLENCE IN ALL THE STUDIES OF FRESHMAN YEAR, Ethan A. Andrews

PRIZES FOR EXCELLENCE IN MATHEMATICS, Ethan A. Andrews, Tien Yow Jeme, William M. Wood

PRIZE FOR EXCELLENCE IN PHYSICS, Ethan A. Andrews

PRIZES FOR EXCELLENCE IN MECHANICAL DRAWING—1st Prizes, John S. Ely, Seymour F. Frasick ; 2d Prizes, Ethan A. Andrews, George F. Bosworth, Lester P. Breckinridge, Charles M. Downs, Henry H. Gladding, Willis B. Wright

PRIZES FOR ENGLISH COMPOSITION—1st Prizes, Seymour F. Frasick, Richard L. Trumbull ; 2d Prizes, Ethan A. Andrews, John S. Ely ; 3d Prizes, Arthur D. Bevan, George F. Bosworth, George S. Folsom, Henry H. Gladding, Howard Van Rensselaer, William M. Wood

## Class of 1882

PRIZE FOR THE BEST ENTRANCE EXAMINATION, Harry W. Casey, from the Emerson Institute, Washington, D.C.

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DEPARTMENT OF THEOLOGY

HOOKER FELLOWSHIP—Class of 1879—CHARLES E. GARMAN, B.A.

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## DEPARTMENT OF LAW

TOWNSEND PRIZE, for pronouncing the best oration at graduation—Class of 1879—James H. Brewster, Ph.B.

Committee of Award: Hon. E. W. Stoughton, New York City  
Hon. Henry Hitchcock, LL.D., St. Louis, Mo.  
Hon. William Hamersley, Hartford

JEWELL PRIZE, for the best examination at graduation—Class of 1879—George M. Brooks

BETTS PRIZE, for the best examination on the studies of Junior year—Class of 1880—Ezra A. Tuttle

## HONORS

[These lists comprise the names of the five in each class who received the highest marks at the annual examination.]

## Class of 1879

George Murray Brooks (Jewell Prize), Portland, Me.  
Wallace Bruce Fenn, Jr., Ph.B., New Haven  
James Parkhill Andrews, B.A., Hartford  
James Henry Brewster, Ph.B., New Haven  
Edward Denmore Robbins, B.A., Wethersfield

## Class of 1880

Ezra Armstrong Tuttle (Betts Prize), Oswego, N. Y.  
Edward Baldwin Whitney, B.A., New Haven  
Amos Avery Browning, Ph.B., Norwich  
Samuel Leonard Tilley Carvell, Hampton, N. B., Canada  
Gerrit Smith, B.A., New Haven



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